

<212> DNA  
<213> Glycine max

<400> 7967

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cataacttgct cactgcaata atagatcttt gtacgacaaa agaaataatt ggtgaaaggc 120  
attgaatggt gcaattaatg caatccatcg accatttctc tttctatata gatatcacac 180  
gaggggaagat tgaagatgtg agaaaatgaa taatttctaa agtagtcctc ctatttatac 240  
caaatgtccc tttgctcaag atagataacg agttgctgaa cattcaattt 290

<210> 7968  
<211> 424  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7968

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acaaaccaga tgtttgctgc ttcatatata ctgataagag aaatcagtgc tgccttttgc 120  
aaggactcct natcttccaa cttcaattta aaaatatcca tgaagagatt ttaaaatgaa 180  
agttgattaa aatatatctt cctttgaaca cttatgtcaa aataaccatt ttattcttca 240  
atgtctaaat tcaattgatt ttatggctgg atctctggat acatattcga aaattaatcg 300  
ataactcatg ccacgaaaaa ggtgttacct gcacagttat ccagcaactg tatcagcaaa 360  
gattcgctat tgaacatcta cacattatga aagggttaat taacccatcc acagtggcta 420  
cttg 424

<210> 7969  
<211> 342  
<212> DNA  
<213> Glycine max

<400> 7969

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cagactaaat ttctacaagc caaggtaaata ttttctaata cttatatact ggaacttata 180

atcacgaagg agatattata tatctttgct ggtaatgtta actatgaagg tcttctggat 240  
 cgggactctt tttagttttt caaaatcatt atattatttg aatttttaat ttcaagataa 300  
 attattattt tattagtcac ttaactgtca attaatacaa ct 342

<210> 7970  
 <211> 481  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7970

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 tgttttctgc aagaaagaaa atcaatatca aacaattcag gctgaattgt tatcgttatt 180  
 attactcgaa ccataacgaa taacaactaa acaagtctct cttattcaaa tggaaatgga 240  
 tgttggtcca ccagcatcat cagctntgga acaggatttt ggtctccaaa taccatgggt 300  
 ggaggggatt agatcaaggg cctaaaaagc attatttttc tacttggtgg gatgacctaa 360  
 gagccatcat ccaacaccag agtatgaatc ctgctcttaa ccaaatttgc tggaaggtgg 420  
 gtaggggaga tcagttcctc ttttggggaag atccttgccg tgatgacgng actcccttaa 480  
 a 481

<210> 7971  
 <211> 373  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7971

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 ctattcttca tccaaagatg aaaaaattga gctggaaaaa taaattttac caagctttgg 180  
 aaggcaggtt tctagctatg gacctttttc tctattcatc ttgggaacct tgcccgaaga 240  
 gaagaaaaga tgacatatat ggataaggaa ctagtgatca ggagtttggt ccaaacagac 300  
 tggtgcccc aatattacat acacatatat tagtagatta tttttcacat catgattntt 360

tctctaaaat aan

373

<210> 7972  
<211> 430  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7972

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accattctc attcatttgc atgtttactt cttntctga aatggcagat ccgatgacga 120  
agtccccgaa ggtactaata cctgggaccc gcctatcgac ttcgagcaag aaatgagtca 180  
aacggaagat gaaggaaacg aggatgtggg acttcncca gaattagaaa gaatggtcgc 240  
ccatgaggac caagaaatgg gacctcatca agaagaaaca gagctggtag acttacgaat 300  
tggcagtga aaaaggaag taaagatagg tacaggtatt accgcaccta tccgtgaaga 360  
attaataatn ctgctaaaag actaccaaga catctttgct tggcatacc aagatatgcc 420  
ccggttgagt 430

<210> 7973  
<211> 284  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7973

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atggattcgg tatctgaggg gaacttcata gccaggtga gggggtggac anctatcaca 120  
cgctaaagca tttaaaagcc ggacgatcaa agaagtatat tgtangaagt gtaggcatgc 180  
actatccctt atcaaaattn tagacctnn ntgtttggtc cctcatggcc aaacttagtg 240  
tatagctata tgcacccctt ggctcctact ctttctacag caaa 284

<210> 7974  
<211> 463  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7974

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 tggattaatt attgtgatgt aaatttcaaa attaaaaatg aagtgaatta ctcatagaat 120  
 tagaattggt agaatacatta aaagacgatc cttttatcaa gaaacctcaa tttcaactca 180  
 tttttattta ttggctgata tcttataaac taataaagca aatctataca cctataaaaa 240  
 aaattgcagc tccaatgata atagctggag agactcggtc atatgcattt gcaatatacg 300  
 caacaagaaa tgccaataat cctgccaaaca gtgtcccgaa tctctgttg agccctttgc 360  
 ataaagttac ccctagaacc aaaagaaatt aaaaaaatat taagatcatg cacaaataac 420  
 atgcnacaga aacacattat ntaacatagg aatatagaaa tat 463

<210> 7975  
 <211> 282  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7975

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 acacttgac agtggccaaa gatgcatggg agatcctgaa aaccactcat gaaggaacct 120  
 ccaaagtga gatgtccaga ttgcaacttg tggctacaaa attctaaaat ctgaagatga 180  
 aggaggaaga atgtattcat gacttcaca tgaacattct tgaaattgcc aatgcttgca 240  
 ctgccttggg agagaagatg acagatgana agctgggtgag aa 282

<210> 7976  
 <211> 378  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7976

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 tatatttaaa acctgcctct cgctgtatca aactgactgt tgaaagtta tctaaccttt 120  
 ctttggtgtc acctcttctt attcgatgtt cttatagaag aaacactatg attaaaactc 180  
 actaattcag tagcaagaaa ttctcactaa cttgaatgct tcctatgaac tagaattttc 240  
 ttcattaact tgaatgtcta ctatttatat aagtactgct gttaattgat ttcttgagtg 300

tctactatga actacaattt ttttcagtac tttataatgt gaaaatttca cataacttca 360  
tatatatgag agagaaac 378

<210> 7977  
<211> 170  
<212> DNA  
<213> Glycine max

<400> 7977

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aagaagcatg cggatcaacc tattatgctt gcggatcaag atgatccgcg tgaagctcta 120  
ctaattttta aaaggtgata ataagttata atactgaaaa tggttttaat 170

<210> 7978  
<211> 411  
<212> DNA  
<213> Glycine max

<400> 7978

ggctacacaa ataacctgtg atttgtgtcaa tctcctgtga ttgtgtgtat gaacattgaa 60  
gtaggaacca ttagcctatg tgacatctag gcaataacca gattgagata gtttggtgtg 120  
gccatgacta tagctctaata agcagccatg atattaagag tacctttttg tcaacctaaa 180  
tacagtagag ttgagagaca tacagttccc ttctacctaa ttatgatctc atgtctccca 240  
ctttcttctc caatctctct tcattatctg actctatttc aatgattcag ctctctccat 300  
aacctgtcct gacatgttgg aatattctgt aacctaagta cattgaacac gaggaatatc 360  
aataatgagg cataatattt tgcctaaata tagttcattc tataacttcaa a 411

<210> 7979  
<211> 348  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7979

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tcttgtttta tggttaacgc cgtctctaga acatttccat tggatttaat gatgaaatct 120  
atgcattttc aggtgaaaaa gaggctaagt tttgaattgc aaaaaacaac agttggacta 180

aacgcatatc caccgctaag cgcagcttca acgctcttag cgcaaaggag aatctggcaa 240  
 agcatcagca tcaaatccgt gcactaagcg tgagatcagt gagctaagcg cagtaggtgc 300  
 cttcagccag gctaagctcg agaatgacgc taagcctaatt ttcactta 348

<210> 7980  
 <211> 476  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7980

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 ttactgtctt tgatatcttg tagttgatat tgtgtgtgg gaggtaattc cgattggatt 180  
 aactcaccat ccttcacttg ccagtttggt atgacatttg ttgttggatc acctatgatg 240  
 tcttgtttcc aagggtaatc tatatccttt ctgatggcat aagcatgaaa ccaatcaaag 300  
 aaaatgacat taattntgac tctttcgaca aattcgtaga acttgtcttg gatttgtttt 360  
 cggtttgtag ccttgtaatg ttggaaaaac catctctttt gaggttcatt ctccggagaa 420  
 tagaaatctt tcctaanggt ttccttatca atgctaaaag tgtcagataa catcat 476

<210> 7981  
 <211> 453  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7981

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 gaaggccttg atatgacttt ctaggtctaa tattaataag tgtgaaataa atatgatgct 120  
 tatttttatt gatctatata ttattcttgt gtaatgtcta agattattat cttttcaatc 180  
 gtaaaggaag aaaaaattaa gaggaagacc aggcagcatc ccaatgagca atcccacatt 240  
 ntgattgagg ttgatttact tgctaataat gttgacataa ggctttggca agctcaagaa 300  
 attatagaat tgctcaaacc tacggtaagt tccttcacac catgtcttaa tcttctgtcc 360  
 tgtgggttat gttgtgtgaa tcgactgcta tcgagggtta ctttcacttc tggtcagtat 420

tattaagttt gtgatcccta acagtgatac ata

453

<210> 7982  
<211> 373  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7982

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gatttggttt cttgcctgaa tacggtgaat taagggtttg gatgaaatgg ccctacgcct 120  
ataatgccat tttgagtaat ggggcatgcc cacattgtcc ccggtctttt gtattgacca 180  
ctaaaacgcg cgcccacca atgttcggtg aaatgcctca atggcattag cgcgtaattt 240  
ttgtnaggaa acaaccatt gggcaatttg gttgcacata ttttnggaca tgcattcatt 300  
ttcaaggact agagtaatgc ccccatattc ctangctagg aaccaaagtt tatgcaaagt 360  
cacaaaagga gtg 373

<210> 7983  
<211> 353  
<212> DNA  
<213> Glycine max  
  
<400> 7983

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ggaagttttc tcaaagaagc ttctcaagga agttttctca agaaagctta tacaggaagc 120  
tacctatgct ataaatacaa gcatatgtag cacttattgt aactttgatg aatgagagtc 180  
ttgtgagaca cacttcaaag ttccacttat ctccctcttt tatttcttcg atctcgtgct 240  
cccgcctctc tctttctctc cctctttctt ttctctcatt gaagcatcgc tccaagcttc 300  
ttatacaagg ctcatcttgg tggagaagct ccttcttcca tggcttattc cct 353

<210> 7984  
<211> 174  
<212> DNA  
<213> Glycine max  
  
<400> 7984

cacaatggca tgttttatatg gcagaatttc agtcttccgc catctgtcat tgataacaac 60  
 tgatcagga aagaagcact acattaaaaa gtataagagt tagaagcaat gaataaagag 120  
 ttggagcaag ttatattagt tctccacagg acatcacgag cacttagaaa agct 174

<210> 7985  
 <211> 463  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7985

taagcttaat gatcagcaca nagccatcat ttgtaactat ccaggaccca gcattaaaaa 60  
 tgtataagct gtaatcaaat agaanattcc tttccaatca tcaagattag tatccaaaga 120  
 anaaaaaac atgaaaaaaa aggaaattct gatttaatat acaagcactg gccactcagt 180  
 catgtaccag cattgggcag ggctgccata aaggaattgt aagaagactc aagatcaaag 240  
 tgaagctgcc tcgcctgttg ttccgtcaac tcatcagctg caccatctt agataacctt 300  
 gcaatccatt ccttcattnt ggttntcccc tcaaatcag gcggcaggaa tgtcaactta 360  
 ttaagcgaag cataaaggtc cgagagcaat ggggtgcacct gatccacagc caccatgtta 420  
 agtttcaagg aatccattga agtaataaaa ttctgaacac act 463

<210> 7986  
 <211> 367  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7986

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 tgagcgcgca tactaaggcc ccaaagccac tttagcagct ataaatagag agtcagttca 120  
 ggggatcgac acaccaccac agaaccctcc tctcctaggg gtttcaacta ctcccttttt 180  
 ttctttcacc ccttctcggt gtaaaatctc aatggccatg agtggctaaa cccttagtta 240  
 aggtctgaca ggctagaag ccaatgcaat gtatgatgta ctcttcaacta tttatcaatg 300  
 caataccagg ttnttctttc ctattntctt ttctnngttt accttgcat actcatctta 360  
 tattctg 367

<210> 7987  
 <211> 421  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7987

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 tatttgatca aataaagagt acactagatg aattttctcaa taaatattta taggagaaaa 120  
 aaataataag gtaaaatgaa ttaaatntct ttgtcttcaa ctaacacagc taatttaact 180  
 cataagtact tactgagaag tttatccaaa taagggtctaa agcttaatca gataccgaaa 240  
 cgggtatgga gggagtaaaa ntaattttta caaaaagagt gtgacaaaaa acaatgaaat 300  
 gaaagagtac ttcgaaattg gtcttctaca ggtgtactga tggcccatcc attattacga 360  
 cagataanaa caacaggggg cctcatgact gctgcaaaat tcatagcagc atgaaaaatc 420  
 t 421

<210> 7988  
 <211> 346  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7988

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 gcgcacagac gcacttaggc ggggtcatcaa tgaaactcat cagaaggatg aatgtgctta 120  
 gcgcaatcat ctggaaacct acaaattcat caattgcat gaacaggcta agcgcagcag 180  
 gcgcgcttag cacgttcac acaatttcta gcagaaacac aggggtcctc acccctttta 240  
 gtagcatntc cctaattggg cttaaaaactt aacttaaact ctaaaatagc aaaccctaaa 300  
 gctaaaaacc ctaacctaaa cagcaatgca agctaacaaa gcaaga 346

<210> 7989  
 <211> 348  
 <212> DNA  
 <213> Glycine max

<400> 7989

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 tactgatggc atacgaacgt tgattgttac actatatact tatgagatat cactgatctc 180  
 ttgatataatt atgtcattcc ctatctatat ttatgaacga acattgcac tttaccacaa 240  
 gattattatg attttgcttg tgccacacaa ttatattatg tgattatgtt acaataatta 300  
 cagaaggagc tgctgcttta gcatacagcc tattgtatct atgtgtat 348

<210> 7990  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7990

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 taagagttta tcttttttat cttagtgaga gtgattcttc taaattcttg agtgattcaa 120  
 gaacacctg gctgtatcaa aggactttca caacctttgt gtgttgcct cgctggaaag 180  
 agtgattctt tctttccaat catcttcacc cttgttcttt caaaccacaa ttccagaaaa 240  
 tccacctctg cccaaaatta tctcgtg 267

<210> 7991  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<400> 7991

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 aataatatat cgagacgcac gacattgaac aacggaagct ctcgagaaat ctgaatggtc 120  
 ataacatttc actcggatgt tcgatccggg gacataactt atcgagacgc tcgaaattga 180  
 acaaccgaag ctctcgacaa attagaatgg tcgtaactct tcacgcgaat gttcgattcg 240  
 gggacataac tcatctagac gctcgaaatt gaacaacgga agctctcgag aaatttgaat 300  
 ggtcataagt tttcacacgg atgttcgatt cggaacata atatatcaag aactcga 360  
 ttgaacaacg gaagctctcg agaaaatcga atggtcataa cgttccacac agatgtccga 420  
 ttcagggaca taactcatct agacactcga aattgaac 458

<210> 7992  
 <211> 153  
 <212> DNA  
 <213> Glycine max

<400> 7992

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 atatgctgac caagttacat ggtctagcag gtgaagatcc tcacaagcat cttagggaga 120  
 tccatatagg aaatgccacc atgaaacacc ctg 153

<210> 7993  
 <211> 210  
 <212> DNA  
 <213> Glycine max

<400> 7993

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 tattgaaaac tattaacagg tcatgctggac cagacctact gctattacga aaataaatca 120  
 cagaacacgt aaaaatatta ccttattgac aaacgctcaa cataacgcaa tcacattatt 180  
 cagacacatt gtaaaagtca agctaaaaaa 210

<210> 7994  
 <211> 396  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7994

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 aatgtatgta tacatgattt agatgatgtc aaagaagaat ctaaccaggc tgcttcaaat 120  
 gataagcatt tgctttcaaa aataattaag aatgctttaa caaacaagc cttgtttcaa 180  
 gattcactaa agaccaagcc ttgccttnaa acaaagtgtt ttcaagacat gcaaggctct 240  
 ggtaatcaat taccaggaag tgtaatcgat taccagaaga cagggttgag aaatagctgt 300  
 tgaaaagggt tatgaattga atttaacatg aatcgatacc acatgtctgt aatcgattac 360  
 cgcaacgaaa ctttggaat caaattcaaa gtcata 396

<210> 7995  
 <211> 470  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7995  
  
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 tataataatg aagtggaaac agatcaatta caaagtataa ggcataacca accaaactca 120  
 taaataaggc ataaccaaac cagaatccaa acagttcaaa attcaaaaac acatagtatc 180  
 aaagcataaa agtctgaaat ccaaatacta caagataaat aaagtactga aaataataat 240  
 ctaagtagca tagccaaaat acacggctta taagagacat agaattagaa actaaattct 300  
 aagaaggatga aggtgggtgg ggaagatcga aactctgacg aatgtaacc acatcctctt 360  
 caagttgtgt gaggcgaata tccattccgg caaaacgtgt atccagtga tcgaaacgtt 420  
 caccaacata agaacgaaga acccgtaatt cggaaagaac ttcagtcatg 470

<210> 7996  
 <211> 412  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7996  
  
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 acttatgaat cattggggcg aacaattgcc cccaattttc gtcattgttt ctttttaatg 120  
 gtatgccatg aatgtttaag gttgtgaagg agacttttga attgggtgct gcatcccaaa 180  
 ttgtctcaat actctgtccg gttggtgcc ctcaataact tgaaacaaat tagtggcacc 240  
 accgcgtacc acgcgagact tccgactaaa canacgggag gcaacagtga tataacgggt 300  
 gatgggtgct cccacacaaa ctgcaattaa caacatagtt gtgaacattt tagtanaata 360  
 acacataata ntttttattn ntacaaatac atagcatggt cttacctcat ga 412

<210> 7997  
 <211> 473  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7997

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gcaaaatgga acagatgccc aatggtaata aatgttccat tagaacatga caatatgaga  180
ctttaaacct tttaacttat ggtctttcat agatacgagg cttccaatgt ttgatgagta  240
tccctttgga actttaactc catgaagaaa cttacaaaaa gatatttttt tcttttctag  300
ataaagtata agttgtgata agtgtcatat ttcagttatt gttggtatta aaatgtagc   360
acttatcttt cgattgtaat agttttctta taaactttcc ttaaacttag ttgttttata  420
tatattgtac atctactaat gtttttggtt caatatggaa tatntatcga tga         473

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<210> 7998  
<211> 316  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7998

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cgaatgctaa tatataaaaa aatctttata ttttagtcag cgtctgccag ctcaattaaa  120
aaaattttga tatgcattgt ggtagatca acaaaataac tttgttctat tttaattatt  180
gcttgaacgt atcatgcgac agtaacacaa acttcaaaaa tatatattgc gccaccttcc  240
agagctacca ttagctgaag attttatgtg gtatggaatt tataaccact atttagcata  300
aaaaaaattg tccgaa                                     316

```

<210> 7999  
<211> 481  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7999

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cgacgatctc aggaacttcg aacataacac tctcacagca attgctgatc aagcgtttct  120
acaccgttct atgaatgctg agaagaagca gaccatgtta tacgcgaaa cctgctacac  180

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gtattcaatc tgatgaatgc tgtcctatag ccgtaaaact gcgacgatgt acccgtgcac 240  
 cttcacaggg atgacgagcg tttcggacgc ggtattcacg tagagctgaa tgttcattggg 300  
 cgtggaactg acagctaattg tccttactag tcttgctcgc tcttgagggt cacttgaagc 360  
 tgaatgcgta tgtcgtgaag gagttctacc ttacaatgat cgctattgta atggagaaca 420  
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 n 481

<210> 8000  
 <211> 369  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8000

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 ggacagactt catttaaaac ggttttatca aatgctngta aactggatcat gcgtattctc 120  
 ctcgggttaa gcagcatcaa atgcgtaata acgtgcgttg ttgtgaaaac cgcgttggtt 180  
 ttgtgggcat gaatcacgac agacatcgtg tactgctaaa gcggaggctn tgaataagcg 240  
 catttgaata tcggctgggt gatactttgc tgcttggctt aaaccatgtg gcgcgccaga 300  
 taggaacacc agacagtcca tctcaaaacg cagttcaata gttggatggg tattgtcagt 360  
 atcgatata 369

<210> 8001  
 <211> 464  
 <212> DNA  
 <213> Glycine max  
 <400> 8001

gagatgtatc ggagtggacg cgacagcctg ttacttgaaa tgaccaattt ctcattacgt 60  
 caagccgacc tgtcagctac ggtcaattta ttctctaagg ttcgtcctga tgatgcaggc 120  
 aacttatctt atatcgatac tgacaatacc catcaaacta ttgaaactgcg ttttgagatg 180  
 gactgtctgg tgttcctatc tggcgcgccca catggtttaa gccaaagcagc aaagtatcag 240  
 ccagccgata ttcaaagtcg cttattcaaa gcctccgctt tagcagtaca cgatgtctgt 300

cgatgattcat gccacacaaa ccaacgcggt tttcacacaa acgcacgtta ttacgcattt 360  
 gatgctgctt aacccgagga gaatacgcac gaccagttta caagcatttg ataaaacccg 420  
 tttaaatgaa gtctgtccag cgggtgaagc atggatgtgt gaag 464

<210> 8002  
 <211> 350  
 <212> DNA  
 <213> Glycine max

<400> 8002

agcttcagca caagaatatt atgactgaaa aatgatataa cctaaaatca tcacaaaaac 60  
 atgattcaag ggtagaatct ataaaattga accatagaaa tgcaagaaca agtgtagatc 120  
 taagaattaa tcggtttatt tttctgaatc tactataaac aacaccaaac cacaagataa 180  
 tggaggagat acatggagaa aatgatgaaa aacaaggaat taaagtaa atgactgaaca 240  
 aaagatagag gaagcaaaag aacatcactt agatgaatat gttcttgata ccacatgatg 300  
 tagctccatg tagagtttgt aggccttgga tcttcttcat caatggagta 350

<210> 8003  
 <211> 470  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8003

tgtggactat accttcgact gaacacggcc atgtttctgt ctgggcccgg attcaatgcg 60  
 ggctgcagca ccggctccgc ttccctaact gtactggagg cggttgcgat ggctttatcc 120  
 tctatggttt tctggagttt taacatgacc tccgagatgg aagccatttg atcttttaag 180  
 gctgatagat cggccttcat ctgttcctgc acaccctctt cattatccat ttttctggat 240  
 cgagtgttat aggggtgcct tgggtgtttt ttagttatga tgaaattcct aaagaaataa 300  
 acaacgatga gtatgccacc aaaacatgag tatgcaaatg gatgatcgga ccacttgatg 360  
 ccacccaag gggtttttaga taacatgatg agttcagaac ttcttaattt ataaaaagaa 420  
 cacagctttc atcttgccaa gaatatacaa aaggttttac aaaagaacct 470

<210> 8004  
 <211> 191

<212> DNA  
<213> Glycine max

<400> 8004

tgcggtatatt cacaccgcat atggtgcact ctcagtacaa tctgctctga tgccgcatag 60  
ttaagccagc cccgacaccc gccaacaccc gctgacgcga agcccttgag gcccatcgaa 120  
tataacttcg cgtcatgtat gcttacgaat cattatcgac gagctcgacc ttgcttgta 180  
ttccaggacc g 191

<210> 8005

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8005

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attgtatttt ataaattata aattattgtc ctcataatat tttggtagta aaaaagttga 120  
ggagaggaat aaaagtaaaa ttggaggcta cacaaccccc agagtggtaa ctttttctct 180  
ttcgaaatgc gtctcttcaa ttgttgaaca tattatttaa tattaagac ttaatttcat 240  
tccaggggac gagagatggc gatgggtata tttcactaaa agttgagtga ataaattaaa 300  
tttgaaaaag agagaaagaa gtccagtttg caaagaaatg acanaaaaaa cttctcatat 360  
atttataaac taaagataac tataaatgct anaataataa atg 403

<210> 8006

<211> 196

<212> DNA

<213> Glycine max

<400> 8006

tcaagcatca tgaatcccat cccggattcg gagatgaaat ccagatgcta cgagtccaga 60  
ctgtcttttag gatatgtatt aacagaattt tttctatacc caatatcgta atcttgtgct 120  
acaaaagaat tttctcaaag tttctcagtt accagagtga ttactctctg gcaatcgata 180  
tccagttatt agttat 196

<210> 8007

<211> 464  
 <212> DNA  
 <213> Glycine max

<400> 8007

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tcttcgtcag tgacctctat gcatgatttc gtctcagtc tcattactta tctcttcttc 60
cacgctgcat gtgctactgt atttatatta ttgtagatta ctcatgtctc atgatatgaa 120
attgttgatc ccataaatgc tttctgtata ttgcctccta ctttcaagtg tttatgaatt 180
tattcaattt gatgtaaatt aaaaaaaaaa agattatcct aaaacactca attttattca 240
aatatatatt atcttaacaa gagatccatg agcaatgaat gttgcgaaat atatggtgta 300
ggatcacgat atgaatgatt cattacccta acgaatcact gtaaaagcag gtaaaacgaa 360
caggtaata atctaatttc aattctcata tgtttgcat caaaaacaca ttccttaact 420
tgaatgtcga agtatatttc taagtattca ctcatcacca tcga 464
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<210> 8008  
 <211> 415  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8008

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aatcctaacy aaaaccgtac cggaaccaat ccggaacggc ctggcttaag atttcttta 120
cggaaccatt ttttccagcc aaattcaaag gagaaaaagt gcctaggggc ttgacccttt 180
ttcttcttgc attcctccct nattatagca aaatagggga ggtggggtgc cgctcagctc 240
gcccaggcga gctcagctcg tccaggcgag canggttgct ttcttcagaa gcaccgcctt 300
ctgaggaatc ttctgaggcc caaatggccc tgggtgctatt tgcaccctca ttttacctaa 360
tacacnncc ctctgctgtt tttttggtga tcttttttct aaacgtaccg aaacn 415
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<210> 8009  
 <211> 482  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8009

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 ctgggtccctt tcttcccttc gcaacttgag ttcactattg ctaccccata gagctccgcg 120  
 aaatttggtc cggccatact cttecttgcg agccctcttg gtctcttggt caagggtct 180  
 tgcggttaatt gcattctctt cccgtaacct ggcgcaactc ttccgaacgt gtgtagcagc 240  
 caacttgaac ttctcctcgg cgagttttgc ctttccctaac tcgcttttga gagcttggac 300  
 ttcttcgtcc tcttccggtg cttcaaaatt ctctttgctg acgactttta acttggcgag 360  
 ccaatctaaa cctcgtatgc gaaccttcag ccattcgtgg taccaccaa tgatgccatt 420  
 acgaatgcct ctaagctctt gatctttcct taacgnggtt tcccatgcct tatggattct 480  
 tt 482

<210> 8010  
 <211> 512  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8010

ccccccccc ggtaattttg aaancnttg nanacctcgg gatcctcgta gagtcgattg 60  
 gcaggcatgc aagctnntag ttgttatata tatatatata tatatatata tatatatata 120  
 tatatattat acatatannt ttttatctga agatatatnt atataagttt acattataat 180  
 tctaataatat ttacgttaac gtatgtttac gttatatgga atataatata tntatatata 240  
 tgnnttaata tgattatggt taatataatt aatgggttcta atatttatgt atatatatat 300  
 tacttataaa tattcaataa cgtattttta atgcttacgt atcattacgt taatatattc 360  
 aataagtttt taatatatta attacttatt tatatatata taccataatt nttataatac 420  
 aattaattac atatggtata ttaatgtggt tactatatat aatattatna ttatttaatg 480  
 ataggtttat gaatttggt attattaaat tc 512

<210> 8011  
 <211> 408  
 <212> DNA  
 <213> Glycine max  
 <400> 8011

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gttgataaaa attgctctgg aggctgactt caagcatgat atttattatt agagaaagga 120  
 ttatatTTTT tttataatct gatatagaat gtaattatga tttattcaat catataaatt 180  
 atatctatct actatcgaga tcgtgtgcat caaatattgt tctaattgaa cgacagttaa 240  
 caggggtgtca aatgattcac atttagtata ttttaaactc ttttattacg tcgatgatca 300  
 tttatatgaa caaaatgtca aatgatgttg cattgatata caattttgca tgtgtaatct 360  
 atgtgaaaga gactttcaat ccaacatcga atcttaatga aacattat 408

<210> 8012  
 <211> 352  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8012

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 tcgtttttcg tcattgaggt gccactttga gctgccaggt tctccacctt tgggcgtatt 120  
 tttgaaagat ttgtgcccc tttttgcaca tgttctgtag ttgcatccta tccaaagaca 180  
 ttatactgac actgcctaac gaaggcaacc actaggtcct tccaagaatg gactcgggaa 240  
 ggTtccaagt tagtgtacca ngtaacagct acccagtaag actttcttgg aggaatgtat 300  
 cagtaattcc ttatcttttg cacatgccc catctttcga taatacatct tt 352

<210> 8013  
 <211> 422  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8013

ctccttgtct atgcnttcat ctttttgcac ctacgaccaa tctctgccct tgtcaatgcc 60  
 caaaatgtta catgtctcat tgTtgTgacg cgTtctggga gTcatgtgat tgcttcgaga 120  
 tttgtttata atgttTtgag atatgacatc acgtgccatg agattTtgctg aaagtcacaa 180  
 attagattca agTgccatga gacttttTgc acaccgctgt gagagtTgat agagtacttt 240  
 tattttTgTc ccccatcatt ccatggatgt ttgggactaa aaaaataata tttttagTtg 300  
 gtgggacaaa atcaaaagtT tttcaacatt gagggactaa aactaattta agcccaggct 360

aattaactaa gagtctaaga ggttaatgaa aanatctct atctaaaaca actactaaaa 420  
tg 422

<210> 8014  
<211> 385  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8014

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attcaaatta gtggtgactg gcatcatgct aaatattgcc ttactataaa aaaataaaaa 120  
tgaaatacaa aattttgcgc ccattttgtg ttggcctact agcgtataac gttggtgtcg 180  
agcatgatgc aatgtatagg atattatatt agtcattntg cttagtgtta gtgttgggga 240  
aaaaatgtgg atcaagagcg tgaaaatctc aaattctata aaatatgtac ctttattatg 300  
tcagtgcacac ctaattttac cttgcaatgt gtgcacaaaa gtggtctata gacatgtgaa 360  
agtcactggg tgatgtgtgc aaaat 385

<210> 8015  
<211> 462  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8015

accttctcac agtgtgctat atcatcatct gcttgggtat cttattggat tttttgatgg 60  
ccattgtgaa attgattgtt agtactcttt gcacaccttc aagttgttaa ctttgaaagg 120  
gtctcttgag ggtgctgaaa gtgtgtgatt catggggcga gtttggagag gctttagtta 180  
tcattgggac attggatatgt gtggaaaata gaaattgagt tttagagaaa acagggtcac 240  
gtggatgtgg ggacatgtag cagaccacac ccaaattctt cgtacatgtc tgcgagagtt 300  
gcaagcttga aaagaanaga ttcagattct ttttttaatg gtggatcgca acaaattcaa 360  
aatatttaat tattcatatg tagttaataa ttgtttttgg gatctagaaa atgacgacag 420  
gaaaatggat agaatgaaac ttaggtatcg ctgtgatgga ta 462

<210> 8016  
 <211> 307  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8016

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 cgtgcattac acacatgcgt tcaatatatg gattaaaaca ctggacgtaa gttaataaaaa 120  
 cacaatgttt tgagtgcatt tatgctaagt cacctaaagc acgtcggatc tcttatgaaa 180  
 aaagctatat cttttcaact accttcatgt tctctttctc tctcttcacc ctaaacactt 240  
 aatcgtcacc atcactcatc attatgacct ttcactttta aaactctttg aaatcttttt 300  
 gatattc 307

<210> 8017  
 <211> 484  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8017

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 ctcacatttg agtcacgctg accggcgga ataccgagt ggtagccgt ataaacattc 120  
 ttcttgctat ctgtaagacg aaaagcctga tagcatgcga agactgacat cgtcttctgc 180  
 gcccttcgtc aatcgcggcc gacaagccca ttgacacgcg gagatttacg tcactttcgg 240  
 cgctcacaag atctgtcata ctgacatttg agtcacgctg acggcgagg ataccgagt 300  
 gggtatccgt ataaacattc ttttttgctg tctgtaagac gaanagcctg atagcatgcg 360  
 aagactgaca tcgtcttctg cgcacttcgt caatcgcggc cgacaagccc gttgacacgc 420  
 ggagatttat gtcatnttcc gcgctcaca gatctgtcat actgacattt gagtcacgct 480  
 gacc 484

<210> 8018  
 <211> 348  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 8018

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ctcattgtaa aatctatcca aagttccaca ttcttccgta tccaatacta taataaagaa 120  
tgttttgctg gtttcaaagc tatcccatct tgatttagtg accacacaat gctnttttcc 180  
caggctccta gttctcttaa acggtgattc ttgttctttt taaagagtta atgagatttc 240  
ataagatggg tatgcaaaat actgggatgt tgaatcaaac tcaatctgca tcacattcat 300  
catttttttt aactatcttt gattatgtgc attgatgtta aaatactc 348

<210> 8019

<211> 282

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8019

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cctttccttg ttttgaagct cactacaagc cttaaataaa aaaccatgtt atcaccatat 120  
ccttaataaa ttctggagct ttggaattag tttgggaata agtgtggggg gtatttgttt 180  
cattggataa cctgttntga tggctatgct tcatgatgta ttttgggcca tacttgatgt 240  
acattgtata ttgggttaa atgtggacatg ctgaatgaaa tg 282

<210> 8020

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8020

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tccacgtttt actccaaaaa acagtgcgaa tcaagtcact cccacatttt atctctagca 120  
ggcattgtat gttggtctcg tcctttgtca cgggaagtcg gaaggtccat ataaccttct 180  
taactgtaca catgngncac tgcgccnca aatgcgcaag taagaagaga taatcttcca 240  
ggctctcg tgcatataat cattcatatc atgcatcgca taagcatctc ttcatggcat 300  
cataatgaac atatcattcc cgcatttgtc ccgtatcata ttccagcctc acattttgca 360

<210> 8021  
 <211> 470  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8021

ttgagccana atcctgactc accataaacc ttgaccagc gtgataatgt caatccttac 60  
 cctcggaagc aaaaaaagaa tagaggggaa atttccaatc aaagaaaaag agaatgaaaa 120  
 tttccaatga aagcaaaaaa agaaaagaag gaaaattccc caatcaaaga gtgggagaaa 180  
 gcaaaaaaag aaaagaagga aaattcccca atcaaagagt gggagaaagc aaaaagaaaa 240  
 gaaaggaaaa ttccaatca aagaatggga gaaagtaaaa aaggaagaag aagaaggaaa 300  
 gaaagctcct gatcaaggat cgaaagaaaa cagaagaaat gtgcagagag gtctttggac 360  
 cggacaatat ctgaacaata cagaattgcc accaaatgaa cgantaaaga aggaaaggga 420  
 accacgacct aaaatagtct tcttccttta ttaccaacca aaatcccgtg 470

<210> 8022  
 <211> 380  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8022

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 catatctcca ggtaccactc tgtggtcaac aaacaaaagt aggaagactg actcttccac 120  
 tctttctcac atcaagctta ttggattatg gggcaccgt cttaggtggt actaggtggc 180  
 gatcgggcga tggcgcaaac caactttccc acttccacaa atcanacata aacacaccat 240  
 cccagttgt ccacttttca actgagctca cgcactccta cgtagccctt atcctcgttc 300  
 ctctcagcac cgagtcccca tcaacccttt ccagctttca taatatccaa gcaattcaat 360  
 cccaaatatc atgaaactac 380

<210> 8023  
 <211> 452  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8023

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atatcaaaga atgatttcaa gattcagcca acaagttcaa gatcaagata aatttcaagt 120  
ttcatgagaa gatatcaaga agattcaaga atcaagataa gtttgatttc aagattcaag 180  
agaagattaa ttcaagattc aagagaagaa atcaagaaga cttcacaagg gaagtattga 240  
aaagattttt caaaaaacaa acatagcaca attttgtttt tcaaaagagc atttctcaaa 300  
attttctaag ttaccagagt ttttactctc tggtaatcga ttaccagggt cctgtaatcg 360  
attaccagtt gcaaagtttg atttcaaaag cttttaactg aatttgcaac gttccanatg 420  
gttnttaaatt ggtgtaatca attacaatat at 452

<210> 8024

<211> 478

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8024

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accgtcgagc accggaatc cttgagtcga cctgcggcat gcaagctggg ttcgaggtac 120  
ttacccggtg aagatcgatg accgatgaag accgaccgag gaccgtcgaa gattgggtcga 180  
aaccttgggc aaattcctac cgaaaaccgt accggaaccg tttcggagcc gcttcgggtta 240  
aaattttcttc accgaaccat ttttccagcc aatctcaaga gagagagtgc ctaagggctg 300  
acccttttct ctctcacttc tccctattat agcaaataagg gagatgatgc cgccactcg 360  
cccggcgagc gggttgcttc tcagaagcac agcttttagag aatatctggg ggccaagggc 420  
ctggtgtatt gcacccattt actagacacc accttgattt tttggatctt ttgaaaga 478

<210> 8025

<211> 371

<212> DNA

<213> Glycine max

<400> 8025

ctatgaactt ggaaaggaac ttgaactata ctatagcctt ctcgtgctgg tgtatcttga 60  
tattaggcag aggcaattct caaggaacat caagctcact ttcggataag gttcatcaag 120  
ttgaatggaa atctttttatc accctcatct tgttcttggga cttaaaccctc atgcagaggg 180  
ataagggtat accattataa tgattgcata gttggtcata tagggttaat tgaaagtata 240  
taattttctct atttttttca ggacagattt gtttaataat tataaatgga ttcatagctc 300  
cttcttgact ttcagcttct acagtgcatt catatcaagt gataacattc tcttttatga 360  
ataataacat g 371

<210> 8026  
<211> 381  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8026

gacatgtgcc tgagatgcat taaaacctaa tctcaccagg aaagctagat gaagctggga 60  
tgacaaacca gtcagtgccg aaagatggaa tcatagtaga gaaagcatgg tcattgctcg 120  
aggaaaaagg aaggctcttg tacatcatgc aggaaagata tgcaaattggg agatgaatgt 180  
tgttcaaata caaccaaggg attgtggcac aaaagattgt gtcacatgag tgagaaaggg 240  
ttggagtttc tagcaggggg atcatttcca aacataaagg ccagtcactt gaaggtaaca 300  
acgcanaatg tctttcaaag atcgatgagg ctggaggaga aaataatcta gatctgtcac 360  
tagatgttgc tcacgctgaa a 381

<210> 8027  
<211> 249  
<212> DNA  
<213> Glycine max  
<400> 8027

tgcaacattt ctttctacac attacatgcc atataactat tgttcgtaaa cagaatacat 60  
agcattatgg tgagtctaac aagataagga cacaacatgt tactatcttc atttgtgaat 120  
ggaaaataaa tacgaaggaa aattgtcttg cacaaatatg tataatatag catctattat 180  
gggccttccc aaaatcaaaa catagcatct attttggttc gacttttgtt gaaagtgtgt 240  
accccccg 249

<210> 8028  
 <211> 126  
 <212> DNA  
 <213> Glycine max

<400> 8028

ctgttcaatg gcttcaaag gttgcttg ggcctcttaa tttaatgact ggtttattat 60  
 tattaattaa attaccaaaa cccatgtgaa aatttttttc ctctctcttt tctttttccc 120  
 ctctctt 126

<210> 8029  
 <211> 484  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8029

taggagagat atacagacat tgtggtgcct aggaagctat taccggagag gaatgtggta 60  
 gtttattaca ctgagttcga caagttcaag gaggaactcg agagaagaca ctgtgatgag 120  
 aagttgactg attgtgccga tggctgtata gacattgcta ttgtgaagga attttacatg 180  
 aacctctatg accccaagga taaatcaccg aagcaggtga gggtagagagg tcatctagt 240  
 aaatttgata aggatacttt gaacacattc ttgaagacct ctgtagttct ggaagagggg 300  
 gaaaatttgt gtacttattc catgnttgca ctctgagac ctaatcctca ggagttggct 360  
 gctaagctct gtatcccagg gagaggattc aagctaaatg ctgatgggca gtctttgaag 420  
 atactgatga agaacatgac cactntagct tcgacatgga gcgttctttc cttttctaac 480  
 ctga 484

<210> 8030  
 <211> 439  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8030

tgagatgagg aagtgttgaa gggtgaaact tctgctntt attgttgacc acagagtgg 60  
 acctggagat atgtcgcggn ggctcaggaga ccttgnngac gtcaggtggg gtgctattgc 120

ccaaaaccaa gcttgaccaa tccccgacca acccgggcat agtcgggtcag tgagaacctg 180  
 tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaaa caagaccaca 240  
 aagcaaggag gcttgtgggtg gctggccagc tgtgaatttt gtgtaatatg tggattgtgg 300  
 cctctggtaa tcgattacca aaggtgagta atcgattaca aggcttaaaa ttgaggacag 360  
 gaggctaaga tggctctctgg taatcgatta ccaaggggtg taatcgatta ccaggcttga 420  
 aaacgaagtc aggaaactt 439

<210> 8031  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8031

tgaatctgcg gccacatcat ggactcctct aaggacaata tcatcatttc ttgcactgaa 60  
 ttgttgggag ttggaagcca tcttctcaat cagattccta gcccacaan ggatcatatc 120  
 actaagagct ccaccactg cagcatcaat catactcctc tccatgttgc taagtccctc 180  
 atagaaatat ngtagaagga gttactcaga aatcttgtgg tgaggacaac tngcacacaa 240  
 tttcttgaat ctttccagta ctcatacaag ctctctccac taagttgcct aatgcctgaa 300  
 atgtctnttc tgatg 315

<210> 8032  
 <211> 405  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8032

actatgaaag ctgccactg aatagcatgt tattcaacct ttagctttat ctattntggt 60  
 cgttacagga tgcacacttt atgggtggagc tcatgggtca ggcttgtgca ttcccactaa 120  
 tgaaacgtct catgaagtta attacgtggg aaaccggcct gcacaaaatt gtaatgcaag 180  
 cggattttat ggatttcaac atgggtcaacc ttaccagcat cataatctat ggataactta 240  
 ccctggtgat tacctcaata gagtccaagg tgggccatct aacatgccac aacaacgacg 300  
 gcctagctta tctgagagaa caacaaagct ggaagaaact cttgcttacc ttatgcaagt 360

gtcattgact aatcataaga gcacagagac agtcataaca aatct

405

<210> 8033  
<211> 496  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8033

agacaacaac cggttatttg aacnccatgc gntacactgt atccggttcga gaacntgacn 60  
cnttagacna ccctagaaac aaaccagac taagtttttt ttgtgagaac tctttctata 120  
caaggtgtgg ccttgctagc aacctatttt gaccacatct ttgcaaattt gaggccatgt 180  
atatggttag agaaaatcga acgtgtgtta ctgactacaa tggatttctt cccagatata 240  
ttattcaaat atatcagtta ttaccctccc aggaataatt tccaaaataa caatacatat 300  
tagctggtga acatactcaa tgaagagaaa attcgatatt ataaactagg gcttaacaat 360  
attagttgtg acaatcatatc tattgtggag gaagatccat ggtatacacc tttccaatga 420  
aaagcatcgc ataattctgac tccttttagtg tgagaaaaag aaaagctacc cactttttta 480  
atcggtgct aattcg 496

<210> 8034  
<211> 538  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8034

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taactctgtg taaagactag tacagatctt gactctcgtg tactccctta ctgaggacct 120  
tggcgaagac ctttattcac tcaacttgag actttatctt cttcatcta tttatatgct 180  
cgaatatggt gctgcgcaac atggaacacg ccatcccagt tcgtatatat ctataccgca 240  
cacgtgttct tnatagaaca cgcccanngc tggacccttt cccatgaatt attttagggt 300  
ctaattagag gcgtagccta tactgaagat actagcgtgg acacgctcac tgggtgcgaga 360  
atgaaatgtg cgtatacatg atgaatcaga cagcttccat ggatcccata ggtgtcataa 420  
ctatctacca gggaacacac aattgagacg tacttgccac caataatatt atcccgata 480

ttgtggctac ttgctattca atgaaccgaa aacaattctg attggaacca cgatgacc 538

<210> 8035  
 <211> 375  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8035

gcaagctcgc cgcccagctc gcccaggcga gcaaggttgc ttcctccaga aggaacggcc 60  
 caagtgggcc tggttgctat ttacaccccc atttttacta aatgcacccc ctttctattt 120  
 ttttgtaatt ctttttccgt aacgttacga aactttacga attccgtaac gatacttatt 180  
 gtccttctgc aaggttatga atccttacgg attatgtatt tactcttttt tagctttcga 240  
 agaagttacg gaaacccccg gattgcgcaa aaacacctct ttctgacttc cgccacatta 300  
 cggaatttca cggatcgcg c angcctcgct tcttttaatt tctgagacgt ctcaggactt 360  
 catttactgt gcaac 375

<210> 8036  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8036

tataagaaca aaactgcctt aatcatttcc aaatatgcat gtgatttang acgcatcttc 60  
 aagaatcaag ccaaggctat tgtgcaagca atcaatgggg ccaaacacac caaatgatta 120  
 taatgatgga tggctcaaat tctcaciaaag gtaaaatcat cactttcaaa ttgagctttc 180  
 aaaactatca tgacatgtag agaagaatca acgatttcna gtcacaaaat gtctagaact 240  
 gttattntca aaacaattac ccattttcttg aacatatact ataattcaaa gaaaaaacatg 300  
 caaagtcgta cgtgcacaca aanatgaccc aaaatattaa actaaaaatc cgacgaaaact 360  
 aacaacatta acaaattaac aaaaccattc aaactagcan aaccaaaagaa cacttcccc 420  
 cataactaaa caacacattg tcttcaatgt agcacaat 458

<210> 8037  
 <211> 325

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8037  
  
 agcttatgcg catacttctt tacgaacggt ctcttgacaca agacattcta ttaactaaga 60  
 aaatgcaccc atatacaata aggacacctt cgtacctaaa atatttacat gtactttcca 120  
 ggtggatttt gtaccttaat aacacgcatt ttctttgcgt aatttacata catgcctact 180  
 caaagcactt tgctatcaaa aatgcatacg tgcacattct gggttttcta atacctatac 240  
 atacacaaac ttcattgatga atcttgacta tctacacaat aagggtgctac atntcatgct 300  
 cttttcaaag ttttttttac tacct 325

<210> 8038  
 <211> 453  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8038  
  
 ngtgcagatc aaatcactcc tacatttcat ctctagcatg catcttcttt ctttaccac 60  
 tcttcacgtt tggttatttc ggggagaaac accataacta aacgcaccgc aagggatccc 120  
 tatcgacca gatccaaatc tagaacgatg ggtgatcaag aggagactca ggaacagatg 180  
 acagccgaca tgtctgctct gaaagaacaa atggcctcca tgatggacgc catgttaagt 240  
 atgaagcagc tcatacagaa gaacgcggcc accgccgccg ctgccagttc ggctgccgaa 300  
 gcagaccgca ctgtcttggc aactacgcac catcttcctt caaacatagt aggacggnga 360  
 agggacacac tgtggcacia tggcagccct cacctgggat acaaccgagc ggcttacct 420  
 tatggatngc cgcccaacta ttcaccaccc gtc 453

<210> 8039  
 <211> 374  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8039  
  
 nggtttgacc tttcaatatg taattcagaa gactttttct ctatgccagg gaagttctct 60

gtaaaaacaa tctttcgtct actttcgggt agttggtaaa ctaacctcat tcaaaagtgg 120  
aactttctga ggtgatactg tcaaaatctt ctgatcactg caaaaggact ctttgatgat 180  
taactgtctt cattgctttg taaggaaaag cctggcagtg tgtttcctat accactgggt 240  
tgtatcgcat ctaaggctac gggctgcaaa ctatgagagt cataattggc acattatatg 300  
tatgtaaaaa aaaaatagga cgggtgtgtac tcaactgaaac aattcatgtg atgggatgtc 360  
catcaagatc tttt 374

<210> 8040  
<211> 542  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8040

cgctacggcn cttgacccca tgtattgagt gacactctat atacgtgaca ctatagatta 60  
ctgaagcggt gagctgtgtg cactgccatc ttgctctaaa ttcgtttgac ctacagagta 120  
gtcacaccgc tagactatgt ctatagttag tcaagtataa ccttatatga cgtgatagag 180  
ggctgctata tgaccattaa caagctggag caatccatac cctacccgag catattcgat 240  
catttacatc atgtaatgtt atttgatctg cgagctcctt tcttactaca catngaaggt 300  
acctatcacc aactgtaaa gaggatcagt gaagggtggac atgtgtatgt gtatgataat 360  
gagtagaatg tgcactctgg ttattctata ctgagtagag tgagttaggg acgaggctca 420  
aactagaaga ctggctcgat catatgtctt tactcattac cgggagatgg gtaggacttg 480  
ctnagtatta acatggagct gaggcccatc tgttatgact gcagctatag agttctctta 540  
tn 542

<210> 8041  
<211> 341  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8041

agcttaacac taagaaggta taggcatga ttctgcaac tgcctctgga ctcantttgt 60  
ggagaaggcc tgtgggctct tccgcttcca ttcttgctct tgccaaagtt aaccgccta 120

tctngcatga atttcttgct tcctagaact tgatcaacta catcaaacca atgaatgcc 180  
 taattagtta gttaattaat actactatat atgttagcag gtacacttca tacataacca 240  
 aaatgctata aatattccaa gtgtctggcc attgtgctta ngaacattgt attattgctt 300  
 actacaactt tgtaggaaaa gtcagttcct gtttaattgat c 341

<210> 8042  
 <211> 326  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8042

tanacactcg tgttatcgat tacgatcgtc ctgtaatcaa ctttaacaaa gaggtttaac 60  
 tatagaggaa atcttctaac tttagaacta ttcttctaac ccctacatga tgatgcatga 120  
 tgcacatatg agatgataga gactaagatg ccccgcacgg tctaacaatc aatacagatg 180  
 ccactcaaga gagttgggca tgtaaagaat aaaacatctt atagctcttc ttcaagcttc 240  
 aaggctaagt actcatgttg ctctactat gtctaacaat attttcatgg cacacaacgt 300  
 atctatttat atagaagaac atatat 326

<210> 8043  
 <211> 380  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8043

agctngtgac tctnggcaat ttcttcaaaa ctagtcactt aaaaaagttg tgacttttga 60  
 aaaaatcttc agaaacaagt cacttgaaga attgtgactt ttggaaatgt atnntttcga 120  
 aataagtcac tgggtgtgtaa tcgattacac atcaacagat gtgacttttc attttgaatt 180  
 ttgaaaatta aaacatttag aagctttggt aatcaattac aagtattgtg taatcgatta 240  
 cacaacgtta aaatacttta aaactgttta aacataagtt gtaactattt gaaattgaaa 300  
 tcttaacgtt ttaaaacact ggtaattgat tactaccttc tggtaatcaa ttaccagagg 360  
 agtaaaactct ttgcgtatga 380

<210> 8044

<211> 352  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8044  
  
 nnggccttga tttcgggaac taattntctg gaactaatta aatagtcttt atttgctgga 60  
 actaatTTTT atTTTtaaat tTTtaagatt taaaaaataa atattgagaa gaaaatatta 120  
 ggaatTTTat aattcctaatt tattaatatg tgctacatat tatattataa tatttatatt 180  
 agttatttag ttcaatatga agtgatctat ttaaataaac ccattagatt gtaagaaaat 240  
 tgatatgggc ttaagtttgg tttattagga aataatgaag atcttaatag gtttaaaacc 300  
 taaggcatag ttatagttcc caatacacca aatcaataaa tagtttctca tc 352

<210> 8045  
 <211> 329  
 <212> DNA  
 <213> Glycine max  
  
 <400> 8045  
  
 agcttaaagt atgcccatgt cattcatccc tatgtatatg ttgttgaagt attggcgatc 60  
 agaatggcca ctccctggat tatagggatg aaccaagctc atgcttatac aagaaggttc 120  
 atcacgtcaa gttgaaatat ggaagtaacc gtctggcaca attgggcaaa agatgaatcg 180  
 agtcacatca ctgcttcgtc tactgccaaa catatttacg attatcgatg tccttgttac 240  
 ttacaagttc accttgacaa agatgtcatg gaccatgttg aaaatctcaa tttgatcaac 300  
 cccatatctc gcgtgaaaat tcgaaatac 329

<210> 8046  
 <211> 378  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8046  
  
 cttagggtta ttgcttttgc ctttaaggagt tgtaactcat ccatctactc ttcttcatga 60  
 accttttagtg accccagaag ttcattcata gccagatttt tcaagtcttt ggcttctggt 120  
 atggaagtga ctttttgtct caaaattttg ggtagacttc tcagaactta ttcgattctt 180

tgatgtgttg catacctttc tcccagaaca ttcaactcat tcaccaccgt attgaatgta 240  
 gtgaacatnt cttttataga ctcatgtgtc tgtatcttaa acattcgaga gttaaaatat 300  
 tgacttttga gtcttttacc cgaactgtac tgtcatgtga tgatttcagt gtgttcaaaa 360  
 cctcttgagc aggttcac 378

<210> 8047  
 <211> 147  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8047

tgtntactgt gattctatca attcaatact ttatattgag ctctgtatca gcttcctgac 60  
 tcaatgctgt tattcgagcg gccatctata gatgaacaca cgaattgatg tgcgattggg 120  
 ctgaccttat agtaacccgg acatgaa 147

<210> 8048  
 <211> 454  
 <212> DNA  
 <213> Glycine max  
 <400> 8048

gagatattcc aactctctca tgacttgtgc atactcaaaa ttttcattcc tctttgcaac 60  
 aacaattgtc ccatgttggc ccttccccca cttctctagt ctttctacat ctctcatttg 120  
 tgtctttgcc ttgtaatttg actcctcaag catagaagaa agatgggttg ctgtcttctt 180  
 cgcattcgaa agctcagatt ctgcttgagc ttttgcagat tctgcagtcc atttgctctc 240  
 cttgtacctt ccaatatccc ttcttgctct gaggagttcc tttgttcttg aagagggctt 300  
 ctgagaattg tgagagacaa aaagaattaa agatttgata aaaaaaatg cttcaccagt 360  
 tcacaaattg caaatacata agagagggtc gcttctgttc tctgaagcta aacatacctt 420  
 atcatcatag aagttaacag cagcattaac tgat 454

<210> 8049  
 <211> 467  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations

<400> 8049

gctttatcca agggacttac cttgaattaa ttcctttgat agcccttttg agccttgttt 60  
ccctttcctt gttttgaagc tcactacaag ccttaaatga aaaaccatga tatcaccata 120  
tccttaagga attttggagc tttggaattg ttttggaat aagtgtgggg ggtttttgtt 180  
tcattggata acttgttttg ttggctatgc ttcattgatg attttgggcc atacttgatg 240  
tacattgtat attggctaaa tgttggacat gctgaatgaa atgttgtttc tcanaggcta 300  
tagaaaaaaa atcgaaaaaa aagaaaaaga aaagcaataa agttgagtga ataagatctt 360  
aaatggcaca agaattgatga aactcttggt tctactctct atgtttaatt tttatctnta 420  
cttcttttta ttctcttatt ctttttatta atatgcactt aattccc 467

<210> 8050

<211> 428

<212> DNA

<213> Glycine max

<400> 8050

agactctgac ggttggacat cgtatgctgt tcagagttcg tcactccaac tttgtattat 60  
ttacagactt gacggataga aactatggcc tgtaaattgac gtcgtagaga gatgaccgat 120  
ggagcattaa acgtgattca acttctagct gatcaagcac tttgcttatt ttgcttgatc 180  
aacactacgt ctgctatgat cactagtcca atcaactttt acttctgtta cgttgacgga 240  
gcctaagacg gatgctccaa catcttatgc acagatgatc aagcactcga atcatgagct 300  
taacctttaaa tgccctgacat aactaccatc tatttagcca tgcttgatac atcacgacta 360  
catacgacac tatcatatgc tagtttgtag atgcaaattg tgaaacttag tatctatttg 420  
tatcaaat 428

<210> 8051

<211> 482

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8051

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caataactcaa actctgagat cttcgtgcct gtgacgggac tggctctgaa acattttattc 120

acccatctcc tgacttgacg atgatatgag ctttatacat tcttgctttg atcctccggc 180  
 cgatccttag attactgtca ttatcttaac ggtcaggact ctatgacttg ttattaacct 240  
 cctgaaactt cagaataccg cctatggctt ctgatacaac tcgaactctt tatacatgct 300  
 acgtgttgta aactactctt tttcgtgaa gattctctcc cggatcggcc gcatatcaag 360  
 ctgccttaat gcgagaatct acgtctccgc gctcgaatcg ccagagcaag atgtatcgat 420  
 ttctgatta tagactaact cagcctattg aacaaacca atcgagtctc tccctccac 480  
 cc 482

<210> 8052  
 <211> 176  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8052

agcttcatga tgatgaatca agttgattca agttgttttg ctaatgacaa agatgatgac 60  
 aaagagccca acgaatgatt tcaagagtga gtcaacaagt tcaagatcaa gttaatttc 120  
 aagtntcaag aaaagaaatc aagaagattc tttgatttaa agattcaaga gaagat 176

<210> 8053  
 <211> 83  
 <212> DNA  
 <213> Glycine max  
 <400> 8053

atctgtcaa caacatagac cacagactct tgcaacaggt gtctgatttc tgattcatgc 60  
 ggagctgagc taccaagttg acc 83

<210> 8054  
 <211> 351  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8054

gtaagctatt taagctgagt ctagtcacat aagagggatt tgaggatgaa cctaatttaa 60  
 ggtaatctaa accctaggag gcttgtttaa tttgacccta tccaacaaga aggatctgag 120

gacaaagctg gattgattca tctaactagg atcgagggtta ntaatttagg ctacacatag 180  
 aacacaaatc atgattgtta gaaaacatct tatatgcata ctgggttattg aaagaccaca 240  
 ttttactact actgtattta ctactgcatt tactgttttag acagactagt taattgtcta 300  
 atcatattat aatgttcttt acatgctttt ctgattaacc tgctaacatt n 351

<210> 8055  
 <211> 316  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8055

tcttgcgtag ccgctcttgg tgctcagaat atcccagaaa caaattcctc ttattactag 60  
 ctattctgaa ttcttttagtt cctgaatgta caacctataa attgatgctc gttccccctc 120  
 ttgggttctg caaaaaagaa aatcaatatc caagaaaaca tggatgaagt cctaaagatg 180  
 ccatgtacat gtgtatttct gaagatatag tatttatatt ccatcaagca tacattgact 240  
 gttgattaca tgtaatagac tttntataac atgggttgccc caaatcacaa ttaataagca 300  
 caactaccaa tctttc 316

<210> 8056  
 <211> 404  
 <212> DNA  
 <213> Glycine max

<400> 8056

tagtcatgac taatgaagat gtacctctca cttttgtcat ccaacttggt tctatttcat 60  
 ttggtatgtg cacatgacca atgcttccaa aaacttttag atgtgaaatg atgggcttcc 120  
 tttcattcca tgcttcttgt ggtgattttc ctcatacact tctttgtgga gactgggttaa 180  
 aaaaggtaac tggacaagcc actgcttctt gccaaaactt ctttggaag ttttggtgga 240  
 tcaagtggcc tcagaataat taagaaaggg ggggtgaaat tattatttct aaacccttac 300  
 taattaaataa ttactcttct taggccttta cttatgttgt aaaaaaatat tgagttgaag 360  
 agaaactaac agaaagtaaa agcggaaatt aatgcacagc ggag 404

<210> 8057

<211> 214  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8057

tatgcgacag tgacgaactt aatgcataaa ctataccatt attggatgta ccatgttcca 60  
 aatattactc tcaatgcaac tactntatct cctcgattag tggcaaccac gctggtcgcc 120  
 tcttgcccct ggctcgttca aatgtaacat tgatgtatcg tgtatagcat atcatcacac 180  
 ctgcaccctt gagatgggtg tatgcctttg tgat 214

<210> 8058  
 <211> 392  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8058

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 cagcgggaatg gagaaggagg aaaggtgatt agagatgtca cttcaaggaa aaaatgagtc 120  
 aaaatcaagt tcaccaccat aggaagccat ggataagagc tagaaagtat ggaaagatga 180  
 gtggaggagg agggagaaaa aagagggtac cttagtaatg taggattttt cagcccttgt 240  
 attttangac acttatanct agttttgtat taagaaataa tttataattt cacatgcatt 300  
 aaatgtatta tttgatgtgt gtatgttggt agataaaatt aattgaatta gaagaagcac 360  
 aatgcacatg atgtactacc atgtgagatg tg 392

<210> 8059  
 <211> 312  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8059

tcgagatctt cgtgcctttg acggcgaccg gtttgaatcc atttattcac gcatctcgtg 60  
 atttgacgat gatatgagct ntattcatcg atgctctgat actcgcgccg gtccttaaag 120  
 atctttcatt atcataatgt taacgacctt atgactcgtt attcacttcc ttaacacttt 180  
 agagacatcg cctttggtga tatgtttaga actcgggtact tttcaatcta tgttacgttg 240

cctttaaact actattgatc tgtctgaatg attctctgca cggaatgagc ctgctatatc 300  
aatcgtagcc tt 312

<210> 8060  
<211> 401  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8060

aactctattg tgacattttt tgtgctcgtc accagaaaaa catttgtaca ttaccaatta 60  
acatcctctt atatttagct ctttcaactaa ttaaaacatt cacagcggtc cattcatatg 120  
tttaaccaat catatctcta cacaacacta accattaata tgatgaaagt gtactctcaa 180  
ccaaattatc accatggaat ccgatgcatg tttaataaga ctagaagagt attcatagcg 240  
attgacgact tcgaatattt ctatcaataa aatcttaata tgaatctctt ttaaaataaa 300  
tcatagcgct gagctcttta tcaactatcga ccgacaaaaa nttatcattt atctaattgg 360  
tacaggagaa tatgacacgt tacataatct ctaaactat a 401

<210> 8061  
<211> 458  
<212> DNA  
<213> Glycine max

<400> 8061

cccaagatat tcagttctta ctcaagaactg tactaagcat gtataactaag tgctattaac 60  
agcttgcgta tgcacctcgg actgtgggtg acaagtgggt gaagtaacaa tctattgccc 120  
tactcgcttc acgagtgcga cgctcttggc ttatgatctt taagctccta tcaactaacta 180  
tgctgccttg gtataccatg gagtctcaca gactacttag ataacatatc agccccatgg 240  
gaagcatctt catcttgatt acttgtgata caatgatcca ttgtacagac cctgtctact 300  
cccacgcaaa tggtagtcct accattgctt ggtgatagct gcccgcaaac gtgactcatg 360  
gttgaatctt tcgtgagatt cttcagaatt ggcagtggag atacattgca tgaggctgaa 420  
cgtagactat gactttatca acagtgattg ctccaaag 458

<210> 8062

<211> 446  
 <212> DNA  
 <213> Glycine max

<400> 8062

gttcgaagga cttttccgtc gaagatctta taaccatgaa ttaccaatga agaacgtctg 60  
 agaactggtg aaacccttcg caaattccct actgaaacct taccggaatg gtttcgaagc 120  
 gtctcggggtt tgattttctt tcccgggaacc actttttcca agccattcta aagaaaaaga 180  
 aatggcctaa gggcctaacc ctttatcact ttactttctc acctatttat taccaaataa 240  
 gggagatgcc tgccgcccaa cttgcccagg ccaacatggt tgcttccttc agaaacaaca 300  
 ttcttcttga agaatcttct aaaagggcca agtggggcct gttggtattg gccccacttt 360  
 ttactagacc cccccctgct tttttggtga ttctttttcg aaagtaccga aactacggat 420  
 tcgtaccatc ctggtttctt ccgtac 446

<210> 8063  
 <211> 366  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8063

gcttgacctg tcaggctaag cgccattngc ttctgtaagt ttccattnga ataaggctaa 60  
 gcgcgtctgt gcgctaagcc cttggtgtgt gttgagctaa gcaccctgct gcactaagct 120  
 caactctctc actatctttt aagtttttgt agttaggcta agcacgcctt gtgtgctaag 180  
 cccgagtgtt attcggttga ggctgagcta agcacgcat tctgcgctaa gctccaactc 240  
 tctttggtn tgaaaattgt agacttaggc tatgctcagt tgtgcgctaa gcctactctg 300  
 cagaanaaaa tgttctctgt gtcttcgagc taagcgctag tctgctacac ttagtgctg 360  
 agtaaa 366

<210> 8064  
 <211> 430  
 <212> DNA  
 <213> Glycine max

<400> 8064

agcactctat tagtgagaaa gcttctcctt acatggctct attctctagt ggatggagcc 60

tgctctcacc tcttacccta tatcttctgc tgcaacaaca tagactgaga atcaccattg 120  
 aaggacttta ttgaagctca aagatccaac ctccatagaa gcttggtcaag aaatatttca 180  
 tcaagaaaca cgtcgaagta acaacaataa catgaaaagt ggagcctagg cactatatag 240  
 ttgtgacat aaatcactcg ctctgagatg tctcttggtta gtcttggtgct ctgcacaatg 300  
 atcgttgagt tcttcttaag gatgggatgc aatcttaatt aatactgaca ggatgaatag 360  
 agagagaacg aaacaatcaa cactctaac accagggttag tcttctacct ctgattatgt 420  
 ttcaactgat 430

<210> 8065  
 <211> 434  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8065

agcttgtagg attatggtgt acccatcaca tgtggtacta tgtggcggtc gggcgatggt 60  
 gcacaacaag ttntccacat ccacaatgcg cgcataaacc caccattccc tgtagccac 120  
 cttcaactga gctcacgtac tcccacgtag cccatattct tgtttctctt aacaccgggt 180  
 ccccatcaat cctcccaagc ttccccaaca tcaaagtaat gcaacattca aacagcacia 240  
 actatcacag ccaagaaaac agagcaaagg cagaatactc tgccaaaaca ccaaccaaaa 300  
 tcacagctct tctcacttaa agaccccgat aacaattcct tcgttccaat tcgttaaccg 360  
 ttggatcgac tccaagattt tactggaagt ctctagtaca taagcctacg ttttgaccgg 420  
 tgggatctac taac 434

<210> 8066  
 <211> 303  
 <212> DNA  
 <213> Glycine max  
 <400> 8066

ctgccagata acatggtatg aactctacct aggattattg ctcatgaca taataaacta 60  
 aatcagtgcg gtgtgatctg cacgaatgct cttaccatat tatagggtga gactcgtaca 120  
 ctccgataac catctgacag tctcaatata taaacgttat gcgggggtggc atcttggtgag 180

aagctgatcg tgttaacgtg gtctataagc actacggcgt actcatagct gtgatacatc 240  
 taccttacct acaaacctga aactgaccgc ttatcataac aaaccgaata gggggatgaa 300  
 gac 303

<210> 8067  
 <211> 449  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8067

agcttgagat gnaggaagtg tgaaggggtga aactttctgc ttttattgtt gaccacagag 60  
 tggtagcttg agatatgtcg cggggggtcaa gaaaccttgg ggacgtcagg tgggggtgcta 120  
 ttgccccaaa ccaagcttga ccaatcccga cccaaccgg gcatagtcgg tcagtgaaga 180  
 cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aaaacaagac 240  
 cacaaagcaa ggaggcttgt ggtggctggc cagctgtgaa ttttgtgtaa tatgtggatt 300  
 gtggcctctg gtaatcgatt actaaggggtg ggtaatcgat tacaaggctt aaaattgaag 360  
 acaggaggct aagatgggtc ctggtaatcg attaccaagg ggtgtaatcg attaccaggc 420  
 ttgaaaacga agtcaggaaa cttatggag 449

<210> 8068  
 <211> 462  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8068

ngtgtattgc tgcattctac taatatatgg aattgccac tgctttgcct gagaataaca 60  
 attgcttgac cacaacagcg ctggaggcgg caagggacaa tggctcttca aataaaccta 120  
 ttgtacacga acaaacatta tatcatgcgt tgaccgtgcc aaacgaacca gcgaagtcac 180  
 tgcataattg ttatactaac tatattcaat gtacctgaac aaaatgattt ccaaacatgt 240  
 gaccgacaca tatgatgcgg tggccagaag aatcagggtg tggttgactt ctaagaggga 300  
 aaaatgtcat tgcttgttgt cgggacaacg atacaaggat tacgttatac cgatgaagcaa 360  
 tcacatatcc catgtccgtt atatccatcc actntgtcac actaacnctg aatgaaccaa 420

acatacacat gtnnagtaat taaacattgt tattaataaa aa

462

<210> 8069  
<211> 415  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8069

agcttagagc atgtntgtat aggagttcaa tttaacgcaa ccaacgttca cgcaaaagtt 60  
tcagtatacc tgcgttgccg attttgcttt gtaaagcatg tttgtctcgt tgaacgtgga 120  
tacaacgagt acccaaacac aatcttaatc aagaaatgat gtaaaaggga tgcacttttt 180  
tttttaaaat gatgttttat agaaaactaa acaacagcca aagaggctag agctaaaagg 240  
ttacacaaac attacatgag actaaaaatg tcattttaga agaatcaatt cttcttaaag 300  
agcttaaact aaacttttag gtgaatgcta atgaatgatt tcattacatt tctaacactt 360  
ttctttccct ggttggtacc aaattttcta ctctcaaaca cattatcaat acaac 415

<210> 8070  
<211> 405  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8070

tcactgacta ctctnttctt tgcattgta tcaacatntt aaattagtaa acttaaatat 60  
ttacatgaca aaagggtgga tttcttcata ttagaaagta aaccttcgtg cagttataag 120  
gttgtaagct tgtgacctga tgggtcaaatt tactaatctc agaagcaaac tctcttatta 180  
tgagagggaa acgtggatac atcttaccct ctctatatcc tacaatgctt gcaaactngt 240  
gtattggtct acccatcatt actcacttcc attgggtaag tgacatcaaa ctcttaatca 300  
ggttcataaa tgtctctctt tctccctaac agcttgtagc aagcaaacat gatgatgggt 360  
tttcttctc taaaaactnt ccccttttta cctttgtctg gtctc 405

<210> 8071  
<211> 381  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8071

agcttgagaa tggagaatng cactaagcaa tcactacgca tagttccaaa ctggaaggtg 60  
gaggacacat gaacgaaaac acaattcatg gggctccgaa naaggggttg agaattggaga 120  
attacactaa gcaatcacta cgcatactc caaactcgaa ggtggaggac acatgaacga 180  
taacgcaatt catggtgctc cgaaaagatt gagaatggag aattgcacta cgcaatcact 240  
acgcatagct ccaaacgcga aggtggagga cacatgaatg aaaacgcaat tcatggcgct 300  
ccgaaaagaa tgagaatgga gaattgcact aagcaatcac tacgcatagc tccaaactcg 360  
aaggtggagg acacatgaat g 381

<210> 8072  
<211> 474  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8072

gacactatga atctcagctt taacanatgt cttcacaat aatcatcaca cagcaganaa 60  
ctaacttaac taccctcat atctcccaa acccatacc caggaattt aagagagaaa 120  
gaagtccacc caaacctgga ttttcgaagt ccactcgta gccacgcact tcacgacccc 180  
gaaaatgcc tcctttcgcg atttgagca gaaatgagca ccaaaggttg gagcttttgt 240  
ggggtttcaa tggagaatgg aggagaagga aaaagcaacg tgaggaagag ggagagcttc 300  
tgaattttct gttttggctg agtgaggaga gagaaaagct ctttggctct aaataaaagg 360  
ttttctctt tttctattat tttattcaag ctctaccaca tgtccctatt tgattggagc 420  
aaaaagggcc cactttctct ttttgactgt gaccatact cagtcacaaa agtg 474

<210> 8073  
<211> 428  
<212> DNA  
<213> Glycine max

<400> 8073

agcttataat ctgagaacag agttgtttta catgggaaca aggagataaa ctctctcttt 60  
ctctctctgt gtgatgttat tgattattaca tcatcatctt taaactccct ttgaaccact 120

gtcaaatgaa ttatcatggt gaacaaaagt ctttgaatc cttcaagctg agttgatctt 180  
ctcatcaata agcattggaa gcttgttctg gataggaccg acatccttca agggcatgtc 240  
tagaatctgc aatagttgaa aatgacatac atatacaagc actgtgcaaa ttgcaagtac 300  
caaaaaagag taaagtagca tagctagaaa aagtgaatgc agaacaatat gttattgcct 360  
cattgggttt actcttggtc gattttaccc caggtggaac accgcacccc acccttctag 420  
ttagcag 428

<210> 8074  
<211> 424  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8074

nggacagtgc agcagaccac aggtttgtgg ttaggattct tccctcagga acccaatgag 60  
catatacatc cttcaatggt tgaatggctt tttggccttc tgggggtctcc ctgcctccaa 120  
tgaggacacg gtccggattg aaaagatctt ggattgcagt tccctcagca aggaattcag 180  
ggtttgaaag gatttggaaac ttgattccct tgccattgtg agtcaaaatt ttctctatgg 240  
cctcagcagt tttcacaggg acagtggatt tctccaccac aatcttgtca ctcttgata 300  
catcagcaat catgctgtgc gcaactctccc agtacgttaa atccgcggcc ttaccggctc 360  
caagaccgag agtttttgtc ggggtgttga cagagacaaa cactatgtct gcctcataga 420  
catg 424

<210> 8075  
<211> 444  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8075

agcttctccc tttntctgct tctagagctc ttttccctaa ataggcacta tggctactct 60  
ggaattttgt gccctggcca ttctgtacaa gtgtgtagaa gctaacatag aaggtgtacc 120  
ctaattctac acaagacagg ctttaaatac gctctgaatt caaaacgttg cgcttagcgc 180  
caccctcacg cttagcgtga gtaaggggaa ttgggcttag cgccagtctc gcgcttagcc 240

tggctaaagg cacctgctgc gcttagtgca ctaatctcgc gcttaaggcg cgactttgat 300  
 actgatgctc tgccagattc tcctttgcgc taagcacgtt gaagctgcgc ttagcggtgg 360  
 tgtcataccc taatttcac cgggaaccat ccgttggttg gatgcgacc tcgtttgacc 420  
 acttcgaggt acttggcacc catc 444

<210> 8076  
 <211> 421  
 <212> DNA  
 <213> Glycine max

<400> 8076

taaagtatgc ccgagtcatt catccctatg agatgttgct gaagtattgg cgatcagaat 60  
 tgccattcct tggattatag ggttgaacca agctcatgct tttaaaaaa ggttcatcaa 120  
 gtcaagttga aatatggaag taaccgtctt gcaaaattgg ggcaaaagat gaattgagtc 180  
 acatcactgc ttcgtctact gccaaacata ttaggatta ttgatgtcct tgttacttcc 240  
 agtttcacct tgacaaagat gtcattggacc atgttgaaaa tctaaattga ttcaacccca 300  
 tatcttgctg aaaaattcgc aatacttcaa ctgtgcatca ttcgcatgca tccatgcttt 360  
 tcattgggtg cattgctcgt tgcattcttt ccttgaaaaa taaaataaaa tgaacttaat 420  
 c 421

<210> 8077  
 <211> 455  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8077

agcttggtta aatggatctc tcttgatctc acatgatgtt aacaactcac tttaaccttt 60  
 gaaatttcaa gatacgtaaa ctagagtttg tgagccgtaa aagcttggtc cttttcactc 120  
 ataaaagtga gaacacaagg tggctattta tagagaaaac agttgcaatt gtctgtaatc 180  
 gattaaattg gtaatgcaat agattatctc aaagaagtaa tgcattagat tctcacttta 240  
 attgattaaa gtgttcttcc caacacctga aaagctttga agaataatgt aatcatttag 300  
 atttttgatt taattgatta aagtgttctt gatcacttct gggaacactt tcaagaacaa 360  
 tgtaatcgat taatactccc acataatcaa ttaaagcaga gactcaagaa aacaaacatg 420

gtctcanaag aacagagtaa tcaattatag gtata

455

<210> 8078

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8078

ngnganaggt ngcaagagat tattaagagc tatccacata atggcattac tcaacaaaag 60

ctagctcgta ttttttatgt tggagtgtcc tcaattaata gggtgagttt ggatgttgct 120

tgtaggggca acctcatgtt aaaaccccat gttggtgaaa tcaaatcat tgaagacatg 180

tgttctatga aataacaaca atcacactag aagaggggtt gaatagtgtg tcaatcaaag 240

atcaaata tttttgttc aactgtaata tcatagattc atatatatat atatacatat 300

atatacacac acacactaga attgtaaaaa aaaaaaaca gtttaatagt ccaataaata 360

tatgaagtaa gaagtttaa agggttttca aatagacacc aaacacgcta aagaaagcta 420

agagaatact tagtaaaacc acttcagaga gacatagaaa ca 462

<210> 8079

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8079

agctntacat tntcgtgaat gtgacaatct atttcttagt ggattgattc accttaacag 60

cccacaaaat catataagca taattagatg caacaactca ctcatctcca atcttcatat 120

gattgcacca aatgaaagcc caaacactga tgagaatgtt atctcacatt catccaacat 180

ttccataaag aactccaaga tggaaattgg taaatcatat ataagttaca atctttaatt 240

gcataattat tatatcttgt ccttaaataca ttcaatgaga atgcatagcc ctttaattcc 300

tagttntttt tataaggcta ctcaagtggg agatcctctc ttnaattttt tattaataaaa 360

tatgtgatgg taaatattca ttttctcatt aagttgcaat cttatgtata aaa 413

<210> 8080

<211> 453

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8080

ggcttgtggg gcttctatgg aggctggatc nttgagaaga tttctaaaga agctagagct 60  
 tagctacaca cacccttat aatagctaag ctcacctcct tgagaagctt ccttgagaag 120  
 attcctaaag aagctagagc ttagctacac acaccctta taatagctaa gctcaccctc 180  
 atgccaaaat acatgaaaat ataaaaaaag tccctatttc aaagactact caaaatgccc 240  
 tgaaatacaa ggctaaaacc ctctactact agaatggcca aaatacaagg cccaaaagaa 300  
 ggaaaaacca attctaacat ttacaaagaa gaatggatcc aaccttgacc catgggctca 360  
 aaaatctacc ctaaggttca tgagaaccct agggcctttt tagtagctct agcccaagcc 420  
 tcttggagtc ttctatcaa tacccttggg ggg 453

<210> 8081  
 <211> 428  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8081

agctttcttg tagatcaaat tccctaattg gaatggaata ctcaatatga ttaatactaa 60  
 taagacacta catatttgca gaccacaaat caatgcagct atactttctc atttccacac 120  
 caatttttga tcatgttatt catttgacaa aaatatgaaa ttaacctaat tgggtgaaca 180  
 aaaccaataa agcacctgaa gactagaaca aaaagtataa tgggttaggta gagaagaacc 240  
 tgtcgaagga acagtaaacy acgtgcacct agctcaccac tacaaaacct aatgcacgtt 300  
 tcgcaagagc tacaatggaa ataccatgaa atagttcaaa ataccaatng ggtgtacatt 360  
 gaatagcagt tcctttttca ttcaacccaa taaagcatca nagtttagagg cgataaatag 420  
 atagtgat 428

<210> 8082  
 <211> 452  
 <212> DNA  
 <213> Glycine max  
 <400> 8082

tgttgaagtt gaagtggaag tggagtaata taatcaaaga gcttccatgg gagacaaaat 60  
 attttagagg aattatggct gaaagtggct gaggcctaa atcaatgatt ggtttttttt 120  
 ttgttgttga ataaatcaaa gattcgtttg gtgaaacatg tttttattga aaaactatat 180  
 cttgaatgtt gttggggctg ctttatgatt ctaaaacaat aatttatatt gtgtacgtac 240  
 gtatcacttg aaaagtgcgt ttagattgtt gtggttaata tattttaatt aatgtatata 300  
 catagttgtt agcggctgtg tgtgcccggt ctgtttgcac ttgtcatgat atctttattg 360  
 ccggttgaag attatttcca ttcaatacat aagtaagata agcaatatat atatactttt 420  
 taatattata ttctttatta ttattattga aa 452

<210> 8083  
 <211> 392  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8083

agcttgttag ttgtgtggag cccacctcaa cggtcttggg atatttatga gggcattttg 60  
 aagggtatga acaagttgaa ccattccaaa cagtaacatc ttgagcaaag atctttgagt 120  
 gagaaatctg cattttctgc tttaaccctc tctgtgagag tgaccactt ttgtgttgtg 180  
 cttggtaatt tgtaaaagac tttagataga agtgagatat tntattcctg aatggaatcc 240  
 ctctttcgag gtgaagacct atattttgtg caataaacac atagatcctc attntttttt 300  
 gtaagtctag tagtggtgtg aaaatttgaa atccaatggt gttgctagtc tagttgaggg 360  
 ctagaatgaa ctccagttgg agaactgaca gt 392

<210> 8084  
 <211> 328  
 <212> DNA  
 <213> Glycine max  
 <400> 8084

gctgacagta ttataatcta attacgttgc caagtgtgag ttggatctta tttggtaacc 60  
 atgaaacaaa ttgctctata tagctgatca atgaaggtgg gtaagttaag tttgttctg 120  
 aacctatggc catgtagcac ttgagaaata ttgtggcact gaagtacttg agtaatcttc 180

caaggtcact cgttcagggtt gctcttcaac catgacttct gctctacact ctgtagatgg 240  
acattccctg gatgtaggtg aattacaaga tgatgactca taaaagtgg cctcttcaaa 300  
gattgaagct actggttatgt tgtgcaaa 328

<210> 8085  
<211> 330  
<212> DNA  
<213> Glycine max

<400> 8085

gagagtcacc tgaggcatgc aagcttgtat ggaggatata cttatatatt aaaattcttt 60  
ttatgacaac tggttttatt ttaattttta ttttttggc taaataataa gtttaaaacc 120  
taaagttagc ctttctgtag gtaaagggtg ttacagttac ccttccctaa cccactaggt 180  
caccattttt agggggaagt caggtttcac cattctaag ttaagacatg tcacaagaat 240  
gactgagtac taaggactta taaagacttc ctaatgaagg accaccagta ggatttgagc 300  
caagaccttt tttgttgat gctgttgatc 330

<210> 8086  
<211> 449  
<212> DNA  
<213> Glycine max

<400> 8086

agctcctact tatgtggcat ggcgggtgtc cttcactttc ttgtcttcaa cgctagctct 60  
gaccactgtt cttccttccc gcgatgttc tttcatgtc tgctgagtg ggcttatagc 120  
ctaaaccata cttcccacga tttccttggg ttattatcag gctagttatg ccgccattgt 180  
ctttgcctaa acccatcccg ggttcataac cgttgcccaa cataacatcg gccaatatta 240  
ccgccgcac ggacagacaa ggttgcccaa agaggagtc cacggaggaa atgctgacca 300  
cctcaaaaaga ctggaaagcg gtttctaagc attcttctgc ggcttcocaca taaggcatgg 360  
aggatgggca gcttaccaag atatcttctc gcctgacac gatgaccaag tgcccccca 420  
ctacgaattt cagctcttgg tggagtgtg 449

<210> 8087  
<211> 452  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8087

agcttgata cttngtgggc ctctattaag tgctttgttt agaatctatt caatgagctt 60  
aaatatgtta ttaaactaat aggattcaca cttaaaaaac tggaaaaagt atactaaatt 120  
tgcatgtggg actacctaaa tatgtcctta aaataagact acctaaattc aaacctggtg 180  
gaaaaattgc atgtgggaaa tctactcttg acctcttcaa caataaaata gttatgtttt 240  
aaattataaa tcttttttgt atagcccatt tcaatattcc tgcacgtttg gtgattattc 300  
tatgtaggca tgttcaaact agttaaggcg gaaagataaa caattataat gcgtgcttgt 360  
acgcttgaga cttatataac tgaagaatca tatcttgatc tcacgtgtct tattatggta 420  
tggttcaag ggccttaaac ttaacacaaa at 452

<210> 8088

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8088

tgaccaactg acctgctaag cgagggtgag ttggactaac agtggtgagt tatataattg 60  
ggcatatatg gaccaaattg ataagcttgt tggactatat tggactcaag aaacacagtt 120  
ctgaattcaa ctgagcttaa tatagcccga tatttgtaa tctatttata ttttgaatca 180  
atatgaattc atactaatat agttaaacgg gtcaatatgg attggcttga caggccacta 240  
tacctgtgtg gacttengaa tatatgatca tattgcatat gagctatcta gacctaaacc 300  
atatatcatg cttgacccaa tggatgtagc caaactgacc cacccatttt gctgactata 360  
tcgatgggct atacgatgtt gtgtatggtg aaaatcta atgaatattt cactgagtg 420  
tgttccctac atgtggcttg accccagga 449

<210> 8089

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8089

agctntttgt aagccctttc aatgactttt tcctcaatcg tatactgggt aattaccatg 60  
 atatgagaca ttgacacaaa tagtaaataa ctaggaagca caacacttca aaatgacttc 120  
 caaaccagtg tcaaacacat cttgaaaacc tttgaatatt cctaccttac atattttaat 180  
 gattttgaga ttttgtgcca atacaagatg ccacaatgct tagaagtgtt ttattgtatc 240  
 tacagtgata tgtgcttact tatgaaacat ggtgtcctta ttctaatttg gtattggcca 300  
 tttatgccaa aaaagtatta attttatctg ttgtacttag gctgagtaat atattnttta 360  
 gaattttctg tagctgcagc caagtgcacat cttataactg tgtccagtgc tagtattagt 420  
 gatttctaga tagaagccta actatgatga ac 452

<210> 8090  
 <211> 455  
 <212> DNA  
 <213> Glycine max

<400> 8090

tcattgtcaaa gagagaacgt ttttctctgt ccaaaagcac tctttgagct ttctccaatc 60  
 aacttaaatg cagcttctgc accagcaaag ttgtttttgt caggatgaag ttggagagca 120  
 aacttgctat attgcttctt aattattgca tcaccagctg tctgttcgac ctgaagaatt 180  
 tcataccaat ccatctcatt accatacaat ttctgctcag cagagcagtg cacatcacia 240  
 acaacaagca tttgagctat attttccaga tcaaggtaca gctgctgagc ctttagagca 300  
 actttgagag ccccaacaaa atccctgttt tccatcttct tttcagaatg tccttgcccc 360  
 ttaaggcttc ttctttattg cagtccatca aagatccaga tgggaaaata ttatagtgga 420  
 tgctatggcc aagtgaagct acatttaatc caaca 455

<210> 8091  
 <211> 374  
 <212> DNA  
 <213> Glycine max

<400> 8091

ttaagtcacc tgcggcatgc caagcttgag ccaaaatcct gactcaccat aaactttgac 60  
 ccatggtgag aatgtcaatt cttaccctcg gaagcaaaaa aaaaggggag agggaaaatt 120  
 tccaatcaaa gaggaagcaa aaaaggagag aaggaaaatt tccaatcaaa ggaaaaaaag 180

agaggaaagg gaattcccaa tcaaagagtg ggagaaagca aaaagaaaag aaagaaaatt 240  
 cccaatcaaa gaatgggaga aagaaaaaag agaagaagaa agggaagaaa gttcccgatc 300  
 aaaaaaaat aatatgcaga aagggtctttg gaccgtacaa tatctgaaca atacagaatt 360  
 gtcacaaat gaat 374

<210> 8092  
 <211> 462  
 <212> DNA  
 <213> Glycine max

<400> 8092

ggagatgagg aagtgttgaa gggtgaaact tctgtctttt attgttgacc atagagtggg 60  
 acctggagat atgtcgcggg ggtcaggaga ccttggggac gtcaggtggg gtgctattgc 120  
 ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg 180  
 tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaatgaaaa catgaccaca 240  
 aagcaaggag gcttgtgggtg gctggccagc tgtgaatttt gtgtaatatg tggattgtgg 300  
 cctctggtaa tcgattacca aagggtgagta atcgattaca aggcttaaaa ttgaggacag 360  
 gaggctaaga tggctctctgg taatcgatta ccaaggggtg taatcgatta ccaggcttga 420  
 aaacgaagtc acgaaactta cggagcctct ggtaatcgat ta 462

<210> 8093  
 <211> 433  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8093

agcttcctct accggtgaaa aaacattgtc ggttctcgct tgtaaaaaaa ttgcgcaatg 60  
 tcggctgaaa aacatcagtt ggggctgttt aactaccgat gctggctact gttttttcta 120  
 ttccaccctt gaataatact tggacgatgt cgatttggaa atgttcgatc ggagtcaccc 180  
 ggtcatgctt ctttttaaga cctcgatctg tcatcttttc ctggccgacg tcggctagca 240  
 tttttttcga tcaatatcgg tgaatcatgc tttttgccaa ggtgggctaa cgttttcgtg 300  
 gctgatgaaa tgagagcatg ccagtgtcgg tcgaaacaca atctcgacg aaaaacccta 360

gccgacctac attgtaattt ttgtaggcaa taccgaacag canaacttcg tctaccataa 420  
 agaaatatta tcg 433

<210> 8094  
 <211> 451  
 <212> DNA  
 <213> Glycine max  
 <400> 8094

ttttctgttc ggtattgcct aacaaattcg caatgtagtt cgtctagggt tcttcgtgcg 60  
 agctcaaccg aagttgtatt tcggccgaca ccggcatttt gtcggccagg aaaacattag 120  
 cccacctcgg caaaaaaaca tgattcaccg gtattgacag aaaaaaatgc tagccttagt 180  
 cggccaggaa agatgaccga tcgaggctta ataaagaagc atgaccgaat acgccgatcg 240  
 aacatttcct aatagatatc ctccaagtat tattcagggg ttgaatggaa aaaacaatag 300  
 ccgacatcgg tagttaaata gccaacattg cgcaatttct ttcacaaacg ctggccgata 360  
 atatttcttt agggtaaagt atgctttcgt tgttggtgtg cagctataaa attttcaatg 420  
 taggtcggct aggttttttc gtgcgagctc a 451

<210> 8095  
 <211> 378  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8095

gcaagcttgc tcagctagct gatataatca tgcatacttt tctgatgatg accgaggaac 60  
 aattagggat caacttgaaa cttatgtgct tcacgtgaga agaaatgctt ctttttccac 120  
 ttgtgaagat gttcaaagtt tggctatgaa gatggttcaa actgagaaac atttgggtatt 180  
 tccattgggt tataaaactta ttgagctagc tttgatattg ccggtgtcga cagcatccgt 240  
 tgaaagagct ttttcagcaa tgaagattat caagtctaaa ttgcgcaata agatcaacga 300  
 tgtgtgggtc aatgacttga tggatatgta caccgagcgg gagatattca agtcacttga 360  
 tgatatngat attattcg 378

<210> 8096  
 <211> 457

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8096

tctgccttga agcactgagc ctagcagcag aagagaggga gatcacacac ccataagca 60  
gaaaacaaga acaagagtta caccacaacc acaactagaa ccataacaa aaacaccctt 120  
caaagaatgc accttcaaac tcaacctcgg agtctccaaa cacaagttga caccctcaa 180  
aaccttcaa gagtgaaact tgcccncttt tcaccttctt cagccacaaa aaaaaaatt 240  
ccaatgggac tcactagcct tgtttctcac ttctatgag ggcaacaagg gtaccacta 300  
aacagccaca ctaagcttac cctcttttgt ttattccct ctttcttaa aactctctt 360  
tctctctctc tctctctctc tctccttcca ctntccatat catatatcat attatattat 420  
attaaattaa ataactcggt aaataattaa acaaaaa 457

<210> 8097  
<211> 428  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8097

agctntaagg tttctacagn gttgctgcgg tgactaagct ttacttcttt tgtttctggt 60  
acctatattt ttgccctttt aatttttaac tcttacaatt gttttgcct ttcaatttct 120  
tgccctttct ttaatatattt tcttttaatt ttctccattt ttatgtttgt gtaaaattat 180  
ttcataattt atatataagt atttatttat tataaattat aaattttagt tatataaaat 240  
aaacattcac taaaatacta gtaattgata aatgtacaac ttagatttat agaacaacat 300  
cacatgatat ttgctttaag ctcatnagta aattgtgaaa agcttacca ataataatga 360  
attcatgtga gtggtgtttc tatagttggt attaccctat tgcataaatt atcgtaatta 420  
ttgtttac 428

<210> 8098  
<211> 355  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 8098

gagaatgaga gagagagaga gaaagagaga gagtggccga gaaattgaag gagaataagg 60  
agagaagttg aactttgaag tgtgtctcat aagtttctca ttcaacaaag ttgggacaag 120  
tgttacacat gtttctatct atagcctagg tcactaaccg tgtgaatttc attntcattt 180  
catgtgaacc taaaagggat attccaagaa tatgccaaag gcattttagt atattccctt 240  
tagatgtcac aagcatggaa gttgtggctc tagcacataa gaagcttcct tgagaagcan 300  
gaaggtagct tccttgggaa gcaaggaaga aagcttcctt gagaagctag agggg 355

<210> 8099

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8099

agctntctcg ctgcanaatt cacttcttag ttggtgtttt tggtttgtgc taaagggtgg 60  
gttcgtcatt ggaagtgcgg taaacagact ttgtggtaga ttaaggatg gcctttgtgg 120  
ataactgggt ggtgggtaaa gaggtgggtt gttattgact gagtaatgac attgttgggt 180  
ttggtgggaa acttggccgt ataagaatgg cagtcacagc atgggtttct cccttcatct 240  
caccctcttt atttgcccca agtttctaag tcgtcctagt aggatgatca aatttgctc 300  
ttttcggacc cacatcgatc ctttactgg cgaagaccaa atccgctaag ctttgagggt 360  
gcgtagccca ccattctttc atagtagagt atcgataatg tgtctaccat cagcatcatc 420  
gt 422

<210> 8100

<211> 174

<212> DNA

<213> Glycine max

<400> 8100

cttcacaaag agctacatca cccttcccct taaaaggat ttgacctcaa attcagaggg 60  
tcttaaaact ggagaccatg gatcaagctg aatggtttga tgatgcccga ggatcacatg 120  
gatcacatgc ttctcaaagc tttattccag accaagaaat ttaagatatt taag 174

<210> 8101  
 <211> 398  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8101

agctngcatg atttacatct ccccttttct catgtaaatt cttcttgata tcatcaaat 60  
 cttcatgatt tacattctcc ctctttttga tgatgacaac cacctgtagg ttaggagcaa 120  
 caacaaagaa aatatctatt tgcataatgt tntactcccc cttggtttta cattgattgc 180  
 ttatatgaga caaatgaaga tttcatatct ttcataata aaaagttgtc tcataaaaca 240  
 ataaataatt tttcttacta ttttatcttt tatctttctc tccccctttg tcaacatcaa 300  
 aaacaaatca tgaatagaga ggagaaagat gttaccactt gttgcaatgt atgagaatca 360  
 agtgatactc aaaggcatta aaacaatcat tcaatatt 398

<210> 8102  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8102

tgtagctnt aaggaggtag ctctgagata ctacatacct acattgggtg tgcccttaag 60  
 gtatttaatg atccttttaa cggtgttaa gtgagattcc tttggattgg ccatatatct 120  
 tgcacacaag caaacactta gcatgatatc cggtctactt gcagttaggt agagaagtaa 180  
 tccaatcata cctctatata ttaactcatc cactgattta cttttctcat ctaagtcaag 240  
 gtaggttgaa gttgcattgg agtatatgct tctttgcatt tttccataca gaatttctta 300  
 attagttata tacaataatt ggttcgacta aggaagggtc cattctttat ctgcttgacc 360  
 tggagtcaaa gaaagaagtt caattctcta atcatataca tctcanattc tttctacata 420  
 caacttgaaa attccttaca caaaatttca 450

<210> 8103  
 <211> 387  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 8103

agcttggaga tgatgcttca atggatgana agtatgangg agagaaagag ggagggggga 60  
gcacgaaatt gaaggaagaa aaagggagag aagttgaact ttgagttgtg tctcacaaga 120  
ctctcattca tcacagttac aacaagtgtt acacatgctt ctatttatag actaggtagc 180  
ttccttgaga agctttctta anaaaacttc cttaagaagc ttctttgaga aaacttcctt 240  
gagaagctag agcttagcta cacacacca tctaaaaact aagttcacct ccttgagaag 300  
cttccttgag aagctagagc ttagctacac acacccatct aaaaactaag ctcaccttct 360  
tgacaaaata catgaaaata aaaaaaa 387

<210> 8104

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8104

gtacagcaga tgtcactcta ctccaaattc ttgaaggata tgtttacaag gaaacataag 60  
tacattcact aggaaaacat tgtagtggaa ggaaattgta gcaactgtgat tcaaaagatc 120  
cttcaccta agcataaaga ccctgagagt gtaactattc cttgttcaat tggagaagtc 180  
actgtgggaa aggctcttat tgacttanga gccagtataa atntaatgtc actctccatg 240  
tgtagaaggt tgggagagtt ggagataatg cccactaaaa tgactttaca aatggttgac 300  
cgctctatta ccagaccata tggagtaatt gaagatgtgc tggtcagagt gaaacatttt 360  
atcttcctga cagacttcgt ggtaatggat atctgtgaag atactgacat tcctgtaata 420  
ttgggaaggg cattcatggt aactg 445

<210> 8105

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8105

agctntgatt agtgtatatg ttacactaaa gttatatggg atcttattga gtttcaatta 60  
atcattagtg catatgttac actaaagtca tatattgggt ctaattgggt ttcaatcaat 120



aatgatcgaa agaaaacaga agacatatgc ataaaggtct tttagaccag accacatctg 300  
aacaaatata gagttactac caagtagaca caaaagaagg gggggaaaac catga 355

<210> 8108  
<211> 457  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8108

nggaagatta tggggtaccc atcacatgtg gtactaggag gttgtcgggc tatgtttcac 60  
aacaagtttt ccacatgcac taatggcgca taaaccacc atccgctgtt gccacactcc 120  
aactgagctc acgtactccc acgtagccca tatcctcgtg tctctcaaca ccgggtcttc 180  
atcaatcctc ccaagcttgc ccagcatcca agtnattcaa cacccaaata atcacaaact 240  
aacaaaccaa gcaaacagg gcaaaggcat aatactctgc ccaaacaca actcaaaatc 300  
acagctttgc acatacaaat accccagtaa catgtccttc tgtccaattc gttaaccggt 360  
ggatcgactc taaaatttta ctggaagtct ctagtacata cgtttacatt ctgaccggtg 420  
ggatctgcta ggaaacatac agaactattc tgcactc 457

<210> 8109  
<211> 507  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8109

ccgcntcgat tgggctgaga ctatctatta cgcgacacta tgaatactaa gcctgtttat 60  
tgacatcatg gttgaagcta attaatcttc tatttcattt aaagggatat ggctgcacgt 120  
ttgaacagga cgatttaact cgttccaat tagtactgga ccaagcgga ctacatgcca 180  
actgctagac acattcgatg gatgatgcat aacaggctgt acttagtctg ttactggaaa 240  
tacgatgagc cgagcccacg aggtttatga tctgcgctat aactctagtt atggagagtg 300  
ttatatttga taagtgtgta ggcaaccct acatacaatc tgctgatttc ttgaagcgct 360  
ttctgtcaga tgatgcgagg acgaatgtaa aaatacattg tgattgacat tccaattcta 420  
ttgttagtct atattaaaaa gatcactctc aaattattac gactaaggaa actaacacta 480

caagttgtga ctcacaaatc aattctg

507

<210> 8110  
<211> 432  
<212> DNA  
<213> Glycine max

<400> 8110

agcttcttag tttcagatga tgcagatggg tttgttttac ctcatgcact cctctaata 60  
ctatggcatc atttctggcg cttaaactgct gggagttgga ggccatcttc tcaattaaat 120  
ttctggcttc aacaagagtc atgtctccaa aggtccacc actggcagca tctatcatc 180  
ttctctccat attactgagt ccttcataaa aatgttggaa aagaagctgt tctgaaatct 240  
gatggtgagg gcaactggca catagtttct taaatcgctc ccagtactca tacaggctct 300  
ctccactgag ttgtctaata cctgagatat ctttctgat ggctgtggtc ctggaagcac 360  
ggaaaaaat ttctaaaaat actctcttag ggtcatccca gctcgtgatg gaccttggag 420  
caaggtaata ca 432

<210> 8111  
<211> 414  
<212> DNA  
<213> Glycine max

<400> 8111

gcaactgact gtagtattac aagatcagat taagattaaa aaaaaaagcc aaattgtccc 60  
aaacaatgct ctctcaagta ggatcaatat ctgaaaaatg aaatgttaaa tttagaaatc 120  
taagtaaata ttgattccta attttttaaa tgttggaag acttggaaga caaaaattgc 180  
attaaaatag aaaatgcaaa acatatagtg ggactgagac acattagcag cgtttcctca 240  
actcaaaaat tataagaatc agaagtaaag agtatgttaa gagtgtggta acatactcta 300  
acaagctttg atcaaatgac taatattaat tggcaaaaaa gatatttagc agatagccca 360  
accaacttca ctatgtctag ttagaaattc caatattcta tattacctgc tcat 414

<210> 8112  
<211> 453  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8112

agcttcattc cttntcact catgtgtcca agtctttgat gctcacatgg ttgaattatt 60  
gacagcctca gtaattgcta ccatacctc atctgcaatc atgtaaagag atcctcgctt 120  
ctttccacga gccacaatga gattgccttt tgttaccttc caagctccat ctccaaaagg 180  
gggtgaatgt cccatcatcat ccaactgccc tatagatatt aaatttctct ttaaggcagg 240  
aatatgtctg acattgtgca atgtccatag ggatccacta gaggtcttaa tgttgatatc 300  
acctcttccg acaatgtcaa gagattttcc atctgcaagg taaacttttt caaatcttcc 360  
agaaacatag ttagacaata aatctttaga gggagtagtg tggaacgacg cacctgagtc 420  
catgatccat gaatcaacag gactatccaa act 453

<210> 8113  
<211> 445  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8113

tggttcgagg tacttaccg ttgaagatcg aagaacgatg aataacgaat gttgaacgtc 60  
gaagaacggg tgaaaccttt gcgagattcc tcacggaaaa cgttactgaa acgtttcgga 120  
agcgctcgg cttataattt cttcacggaa acaatttttc caagcaaatt cgaaagagag 180  
agaagtgcct aaggggctga accccttctt tcttcacttt ctcccctatt tatagcaaaa 240  
tatgggaggt gggtgcccgc cagctctgcc aggcgagcac gggtgcttcc ttcannaaca 300  
accncntct ggaggaatat tccggagggc ccaagtgggc ctgggtgcta ttgcacacc 360  
cattttacta agacaccctc ctctgctgtg tttttggtga tcctttttcg taaagttccg 420  
aaacttacga attatgtcac gatac 445

<210> 8114  
<211> 415  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8114

agcttattaa ccaagatgca tagaccaaag gccacaagta ttaccaccta tgttggnnta 60

gaaccatgac aataccatgg aattgaaatc aaccattgca aacggtagta gattaatttg 120  
 gtgtgtccca aagaaagtga tgtgtcttcg gttcaaatat tttttttaac aaatattatc 180  
 tcattacttt attatctctt gatatgctgt cacactgaca ctaaatgttg gacagataac 240  
 cagaaagtat atgtagaaca agagcaacat tntggccata ttctgggatg acttcatagc 300  
 ttcattataa atttcacaat cagtacatca caagacacgc tcaagaacta gtcaaggata 360  
 caactacgat acatttcaat gcacataaat aagcaataaa gcataatgta acata 415

<210> 8115  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<400> 8115

ttaccaccaa gagagtgtct tagataagaa gcttagagag gaatcttcaa tggaggaaga 60  
 aaataagaga gagggagaga gagtgtggtg tggaaattga aggataatag ggaaagaagt 120  
 tgaactttga agtgtgtctc acaagtttca cattcatcaa agttgtgaca agtggttacac 180  
 atgtttctat ttatattcta ggtcactaac ttttgtgaat ttcatttaca tttcatgtga 240  
 atctaaaatg aatattccaa gaatatgcca aaggcatctt agagtattcc ctttagatgc 300  
 cacaagcatg gaagatgtga ctctagcaca tggaaagctt ccttgagaag caaggaaggt 360  
 agcttcctta tgaagcaagg aagatagctt ccttgagaag ctagagggag ggcacatgca 420  
 ct 422

<210> 8116  
 <211> 318  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8116

agacttgctt ccacanaata gtctctgtcg aattacgctg acatctcccg gaaaggtgca 60  
 gatgaccaca ttggtctctg cgtgtcatcg gacttggggg ctccgaataa cgaggtgcgg 120  
 ataaccgtaa agtgcctctg atgccatcga actcttgggt cgctggatag caagaaggtg 180  
 acactaaata gtctcagtcg gaagacgctc acagctccag gaagagtgca gattaccaca 240

ttggtctcta catgtcattg gacttgtggt gtccaaatga tgaggtgcta ataaccgtaa 300  
 ggtgtctccg cattccac 318

<210> 8117  
 <211> 451  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8117

ntgatataat gcaccccttg tatttatagg tatagaggat ctatccactt gaaagtgtca 60  
 acaacagact cagtacaatg cattaaatta gtacgacata aatttgatca acaatgaatt 120  
 agtatatata gctacacctt attcaatcca agaattggaaa aagggaatca gtgggttaaga 180  
 atgaacatgg gtcaagcttg agtcagggttt tttgaagcca aaccgaatga aaatgggttag 240  
 gttgagtgtg ttaaatgtga ctgtctcaac ccaacctaat cacaattggg ttgtgccaaa 300  
 gtcagggtcat tagattagat attcgggggaa aaatggaaga aaaaaaaaca caaaaatagg 360  
 ggtagagtag ggaaaaggta attttgtccc aaatttatgg gaggcactgg gtaagaattg 420  
 aaatgggtcaa agaaaatatt atacacacac t 451

<210> 8118  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8118

agcttaagct ctacctaggg ngcatttaag cacttttggg atgcaaagtc acgttttgct 60  
 gctaactctc ctttaatgga tcccaaata actccaacta aaatctttca atgttaaaca 120  
 tgaacattga attaaaaatg catctaaagg acatatatca acaatcaaac tcattaaaca 180  
 taagagcaaa gttgggttaa gctttcctta cctatcctaa tttaatgaac ttgctttgag 240  
 atgaaagaag gaagaaagga ttgggttcaa gatgcaagct ttctttcact cacacaacaa 300  
 ctttaaata tccacaccac ccaaaaccaa aaaaccaaca gaaatcacat caaaaccttg 360  
 aaaacgaaca cttttataaa cttccaaaag tgctcatggg agaaaaataa aaatggagga 420  
 agaaagagga aagtggagag tttcttacca 450

<210> 8119  
 <211> 452  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8119

tgtattattg acatcatggg tgaagctaata taatttcctt tcgtatataa agggatatgg 60  
 ctgcacgttt gaacatgatg tatntacttt tttccttagt gtctttgttt ttagttttac 120  
 tatgttgcag tttttgttgt tcttggttga tgcgcctacc tcaccttatt aatcattata 180  
 cttataatag aatcttatta ttcttttggg ttaattattg gtgntataat tttattattt 240  
 gtatatttta ctctttatag tttaaaattg gtttttttag ttcttataat ttatatttta 300  
 attctctttt aatctttnta gggtaaaagt gatatttttt atttttataa tttacatttc 360  
 aattctcttt tagtctatat aaaaagatca ctttcaaatt ataaagacta aaaaaaaatt 420  
 aaaatacaaa ttaaagacta aaaaatccat tt 452

<210> 8120  
 <211> 352  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8120

agcttaaact cactagcatt catatattgt ttatgcgtat aatataaacc cactcagtag 60  
 taggcttggtg agactttttt tcgaagggtat tatcaaatat aaaatatact tataaagaca 120  
 tttacgggca tgtaagacgt ggcttttact ctgaaaataa ttatccaaac gtggctattg 180  
 cgagaaaaaa aaacccttga ttaaggaata taaaaggaac cgcaacctca agagctaattg 240  
 cttccgtatt gttacattan gctgggtgcc tctcctccat atatatatat atatcggatc 300  
 acagatcaga atgcctatta atctattgca ttagtgatga attctactag tg 352

<210> 8121  
 <211> 356  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8121

cttaaactct tgacactaac aactcttaac acccctcaag cttatgcata gatcttaatg 60  
 ataccgatct tgttgacatc atagcatacc caagtcaaag cctttgtgaa taaatttgta 120  
 agttgggtcaa tgcttaaacac caaagaacat aaggcagaga acactatgga gcatatacac 180  
 gnaaaaagta tcttaatagg gttcctaaac gcataatcaa tgtattaagc tggtagacaaa 240  
 atttcccaga tcaaatagat cgttagaagc cagtctctca tcaacatgat gataatgtaa 300  
 tagtgatgac aaagattaga ttgtcaaata ttcctagaat atagaatctg gtttat 356

<210> 8122  
 <211> 356  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8122

agcnttgagc caaaatcctg actcaccata aatcttgacc cagggtgaga atgtcgatcc 60  
 ttaccctcgg aagcaaaaaa aaagagaagg aaaatttcca atcaaaggaa aaaggagaag 120  
 gaaaatttct aatcaaagag gaagcaaaac aaggagagaa ggaaaatttc caatcaaaga 180  
 gaaagctaaa agaaaagaaa gaaaaattcc caatctaaga atgagagaaa gaaaaaaaga 240  
 gaagttaaaa agaagaaagc tcctgggtcaa agaaaccaga agaaatgtgc cgagaggtcc 300  
 ttggaccaga cgatatctga acaatacaga attgtcacca aatgaacaaa agaaag 356

<210> 8123  
 <211> 454  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8123

atccttatgg catgcctnng aactttcacc cnccggtgcc cacttctgga atgatnntaa 60  
 gccaaagccc cctacttttt ganggnngca actccacct ttatgaagac tatcccccg 120  
 caagacgaat gggaaggaga taccatctt ggcccccttg ctcacctcan agatccatnc 180  
 ncgcatgaac nntaccaac cgaacatagt ccgcatatc ccggnctcac ccacaccgt 240  
 aaaagaatct gttcccttcg cggaagataa aggaaagatt gangcgctng aagagaggtt 300  
 aagagcagtc gagggccttg gcaataccca ttctcggant tgcagattgt gtcttgtgcc 360

aacatcgtca tccttccaag ttcaaagacc gactttgtaa gtcaaaggac gactgtcgaa 420  
 gggcatttcg atgattgcga agatgggcgt attn 454

<210> 8124  
 <211> 441  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8124

agcttcttga gaaaactaca tggagctgcc tctgtataaa cgctgcccag ccttcgttaa 60  
 ccgttggatc ttctcgaaat ttggtttgca acttcacaag acactttacc atgatttaac 120  
 ccgtgggac tttgagaaaa tatctggagt gtgctagaag cttccgttcc cgagagcatc 180  
 tcttatttaa gcatttcagc ctttgccttc ttgtagctta ggaaaaatcc catttcttct 240  
 tctttcttct ttccaaatcc atttctaaag ttccaagtac tttctccatc acccacaaat 300  
 catcattttt ctccattgaa aacccacacc gagaggaacc cttcaaccga agcagaattt 360  
 ccaacttggc ttgcggnctt ggtagagaac gaanacccta atatgatctt tcgttttctt 420  
 tcgagggtaa ccatggtcta t 441

<210> 8125  
 <211> 457  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8125

ggggcaagtt tgtgccttca aagtgaggca acaaactttc ctttgtgagt ttagctcgcc 60  
 tgggcaaatt tttctgcacc tcttggctct tttctataaa tagccatgtc aagtaagaaa 120  
 agagggacat tggaaggtag agagaaacct gagaaacacc agaaggagga aggaagtgga 180  
 aagtggagct cgagcactat agagttgtga ccgaggatca catccttcgt attattggta 240  
 atttcatttt gtctgtaatg ctttattcta tntgatcact agtttcatga aatttgattt 300  
 taagtttcac tagaaagtac tctntgaatt tgaactgaat gaatttactc tttacgttac 360  
 attgctagga atagagcata acattttgat tgcaaatagc acgcaattat gatttgaatg 420  
 ttggggatt tacttcatat gcgagggatc aatattc 457

<210> 8126  
 <211> 301  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8126

caagcttgtc cgcanaaatc actgataact gttttaaggt ccaacgcctt aaacaatcct 60  
 ctntgctttt atcggntaac atggaccgtt cgaaagcgta aaatcaacac atcactttac 120  
 tgcctttcaa aagaactacg taggtctaata tttctcttcg atggagggta cgtaggagca 180  
 aaagccaagc cgacgtatgt gacttggagg gaagtctttt gttatagccg ccaagccgac 240  
 gtgataacgt tggaatttat attgggggag agttgtgttg tgttatgaac tcttccttag 300  
 t 301

<210> 8127  
 <211> 452  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8127

ggcttctaca ttnttcatgg taccaattgg ttctttcttt gtatagcttg gatgattcat 60  
 atgcgttgag ggcacatctt ttaagttcct gtagctttac ctctctctc tctctacatg 120  
 ttgtagagtc aaagttgagg aacttcatgg cccaataagc ttttatttct aactaccctt 180  
 gtaggtggca tgcttttccg tacaccattt gaaacggnga gaggccaatg ggtgggttga 240  
 aggttggttt atatgcccat aggcaatcat caagctttgc agcccaatcc ttccttgaag 300  
 tagctacggt cttttctagt atcctcttga tcttccctat ttgaaacttc atcttattca 360  
 tatgtttgtg aataataggg tgatactact ttatgttgaa cattatagta ttggaggacc 420  
 ttgagagtt gagcattaca aaagtgtgta cc 452

<210> 8128  
 <211> 342  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 8128

agcttgactg gtctttaact caagaagaan aaaatgtttt aatatttacc ttgttgatca 60  
ttttatccag catatacttt tcactttnta tcaattagta ggccattttg attcctgtat 120  
acaatttgta ttttattctt tagtgttgac tcttgactca ttttttttat tctaattggt 180  
gtttctccat tatacttctg ctctttttaga aattctcata gatacattaa ttaaaaaaaaa 240  
aagccaatgc aataccgaaa aaaattaaaa aaaaggcaaa aaaaaaagtc aatacaatac 300  
caaaaaaaaa ataaaaaaaa aataaaaaaaaa aggccatact ac 342

<210> 8129

<211> 446

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8129

tgctcanaca gacaacaatg gtagctttgg gatgcattcc atgtatctga aaaggacaat 60  
aggcttattc tggaggaaat tatgttaggt tctaaaggct acatgaacca atcaacctta 120  
gcagcatcct atctttggat gcaattacca catgcagatt aaacaaaacc agtaattcta 180  
gagcttcttt tgaccttcca gactacttca tgacatttct ctatgtactn taccttatta 240  
atngtaatga tagttatatg tgaacaatt aaaattctta tagtattgaa tgctttgtat 300  
agaggagtta ttattcacac cttcattaca taatccaaaa cgttacctaa taaccagtaa 360  
tttaacaatg aatcaataag caaaaggaaa ccaatcagca cctaacacaa acacaacata 420  
ccaaagagga gaataatttg ctattg 446

<210> 8130

<211> 377

<212> DNA

<213> Glycine max

<400> 8130

agcttaggaa cccaaacttg tagcttcaat gcattgaaac atgcttaaatt ttggtttttag 60  
agttagaaaa acatgaaaat tatgattttc ttgtgagagt ttttgctcga atttggggtg 120  
cccatgttt gatactttac ataaaggtag catggaaaac accttgcaat agtgtgtata 180  
cataggtaaa tataagaagt atgaaatccc tagcaaagtg tgaatgattg tcttcctaga 240

tgaatgtatg atagtgtgga atgccttttt tgaatgcaaa tatgtgcagg atgtaattag 300  
 ttttccaata tgcataataa taaataggag tgaacagta aaaatttgta tgggtgactt 360  
 caaatgtatg taagtag 377

<210> 8131  
 <211> 435  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8131

nntacagcag atttagtaat gaccactaa cctagaatta aaataactta atgccttta 60  
 cctagggaat taaaaaaaaac ttaatggctg agtgtaaactg aaattgtggc aaccaaag 120  
 ccccccaac agccaacaag tcagccacca tttggctctc caaaaggctg atgcctagg 180  
 tgccaattgg gcccttatta caactgaac taaacctaac taaagccctt ttagttgatt 240  
 aacccaaaac atatttttgg tcagccaact ctacaaggat tgggccatta tttagacaaa 300  
 ctaaactc taaaattgag acaagggtgt gtcatttagt cctcctccat ttgggccatg 360  
 atacaactca caaccttga cttttcttct tgaaacttgg gcttgattc aaatagtatg 420  
 gacagcactt gttga 435

<210> 8132  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8132

tcttgtctct ctttcttgac ttctcaacg tctcctttac accttggtt aacgaggctt 60  
 catcttgctc cttcaagccc ttctctacga tatccacac atcttgagct cctagtagcg 120  
 ccttcatctt gatactccca attatcatag ttgtctttgt gagcatcggc atttggaag 180  
 gaaaaccttc attcgccatc ttttgaggat ctttgagctc tgataccact tntgtggaaa 240  
 taaggctttt tatgt 255

<210> 8133  
 <211> 461

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8133

tctcnncccta tttgctataa atagggggag aagtgaagaa gataagggtt cagcccctta 60  
ggcattttctc tttctctcga aattgctgag aaaaattatt tccgtgaaga aaatccaagc 120  
cgaggcgctt ccgtaacggt tccgtgagta attacgcgaa gattctcgac cgttcttcaa 180  
gattcatcgt tcgttcttcg ttttcttcag tcttcaacgg gtaagtacct caaactgagc 240  
ttttcaattc attctatgtg cccgtggtgg tccacatttt gtttcatgta tttttattct 300  
tgttttcatt tactttttat accccctttt gacgtgctta agccatttat ttaagtcatt 360  
tcttacttaa tttaaaaata aaataaattt ccaccggctg tttgaattgt atcatccgtt 420  
aattntgggtt aaaatgaatt ccgaccgttc ggtcgtgccg t 461

<210> 8134  
<211> 452  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8134

agcttcacct tctggtccta ctcatagttg tggtatgaga aaacatgctc tattttcacc 60  
tcccactcca agtaggcctc cggatcattc tttcctttaa atggaggaat gttgagttca 120  
ataccatcaa ttctgttttg tctaagaaca ccatcattcc ctcttctcct cctttcttct 180  
tcattatgat ctctattctc catttgatcc aacctctcat ggagcgcac atcttggtgc 240  
ttcattaacc tctccatag ttgcatcaaa gcttgcatth ggaattgcga aagccccact 300  
ccatcattac gattagtacc tgacatctca nacaaccaa tcagacgtat caagacaatt 360  
atagttgctg gttgaatacc tcaccactc aagtgtatca cacaattatg gcttttctct 420  
aatgaaacac tcttgctttt taccactcta at 452

<210> 8135  
<211> 237  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 8135

cgagatgagg aagcnggaag ggtgaaactt cctgctctca ttgtcgacca cagattggta 60  
cctggagata tgttgcgggg gtcaggagac cttgtggacg tcaggtgggg tgctattgcc 120  
cagaaccaag cttgaccaat cccgacccaa cccgggcata gtcggtcagt gagaacctgt 180  
gatgtaccta aacaggcgag ctctggcag tcatcagatt aaaggaacat agaccac 237

<210> 8136

<211> 430

<212> DNA

<213> Glycine max

<400> 8136

agcttatgct gcaaacattt acaatagacc tccttaacct caacaacaaa atcaaccaca 60  
gcagaacaat tatgacctct ccagcaatag atacaacctt ggatggagga atcacccctaa 120  
tctcagatgg tctagccctc aacaacaaca acagcaacct gtccttttct tccaaaatgt 180  
tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240  
acaacaaaca gttgaggctc ctccgcaacc ttccctcgaa gaacttgatg ggcaaatgac 300  
tatgcagaac atgcagtttt aacaagagac cagagcctcc attcagagct taactaatca 360  
gatgggacaa ttggctacac aattaaatca acaacagtcc tagaattctg acaagctgcc 420  
ttctcaagct 430

<210> 8137

<211> 538

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8137

aagagaatag tgtcttattc tcncttcctt attacgcgc nectcttctt tcgctannan 60  
nnacacaact nctctgtttc ttgagactat gcatcagcga cacttgaatg ctcagctcac 120  
acagttatac ttctcagact gagttgtgga agaccattta ctaagtattt ccgtattaga 180  
ggacttagat gatgcatggt aatgtgtgga gtgctatgat gtcgcaacct agaatcatgc 240  
tttttactta ccaagcagct tagctcatga aatgatgcat gttcacattt agcatgtaga 300  
tattacctat tgtttttcaa agaggacact ttaccggnt ntnacgnnac ttatttggaa 360

gatttcttgt tgaatttccc cccccccnnc cccnnnnnnc tnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnaannnnn ccnnnnngtn ctccactatt ttcttgctat tgctcaacat 480  
 acatatctca ctttgaccaa gtcaagggtg cactgtactg tcatgtgcct aacaccat 538

<210> 8138  
 <211> 443  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8138

ctctgcaagt cttagaaact tagtctgtta gttgtacaaa ttgctatgc aactctcata 60  
 ggtctctata aaatgtacaa tgtaactaaa aatggttggg aatgaaatta aatgtcacac 120  
 ttctgcaaat ttacgcaat gctctcttct tcttactctc tatttctctc tccctctatc 180  
 ttttagnttc aattcatttc taatagatgt catcctctc tttttgtgta ctcaaagtca 240  
 gaatctgtaa tgtacagtct aatatatgta gaggatatca tagtactgc aaatgactct 300  
 aaacttgatt agaaactagt ttacctatnt ttcttaanag atcatggaga tcttaattta 360  
 tttttgcgaa tngaagcagc taattaagtn gatggctcac atatacttac tccatctaag 420  
 tatatgtgta ttanggatct ttt 443

<210> 8139  
 <211> 319  
 <212> DNA  
 <213> Glycine max  
 <400> 8139

tccttaagaa gattcctaaa gaagctagag cttagctaca catacctctc taataggtaa 60  
 gctcacctcc ttgagatgag aagctagagc ttagctacac accccctgta atagctaagc 120  
 tcacccccat gacaaaaaac aagaaaatac aaaaaaaagt ccttactaca aagactactc 180  
 aaaatgcccc gaaatacaag gctaaaaccc tatactactg aatggccaaa atacaaggcc 240  
 cagacgaagg aaaaagctat tctaataattt acaaagataa gcgggctcat acttagccca 300  
 tggggtcaaa atctaccct 319

<210> 8140

<211> 370  
 <212> DNA  
 <213> Glycine max

<400> 8140

agcttgctcac ttttttgagt cactctttac agtcttaagt ttacttcaat tgggtgtctgt 60  
 atagaacttg tcttttctta atacacttaa gcaaactcat aaataggcat taattgaaaa 120  
 ggcttatgat ttgtgttttag aagggttgta ataattaaag catcaagggt tttggactca 180  
 acaaattttc cataacataa gatgtaaaaa caattatcaa agagacattg gagaacattc 240  
 accatacacg gatagagagc aaatatgaac taatcaaatt gaatggtaca catactgaaa 300  
 taataaggga ctaaacaata aatatctaaa cttcatataa ctcggtaaaa ttacctgcta 360  
 caacaagtca 370

<210> 8141  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<400> 8141

tgaccaatcc cgacccaacc cgggcatagt cggtcattga gatcctgtga tgtacctaag 60  
 caggcgagct cctggcagtc aacagataaa aggaaaacaa gaccacatag caaggaggct 120  
 tgtggtggct ggccagctgt gaattttgtg taatatgtgg attgtggcct ctggtaatcg 180  
 attaccaagg ggggggtaat cgattacaag gcttataaat gaagacaggg ggctaagatg 240  
 gtctctggta atcgattacc aggggatgta atcgattacc aggcttgaaa acgaggctcag 300  
 gaagctaagg aagcctctgg taatcgatta ccaaggggtg taatcgatta ccaggcttaa 360  
 atagggaact gggagttgat gggagcctct g 391

<210> 8142  
 <211> 375  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8142

agcttagtcc tataaccattg ttcactgaac tctttataac tggtggggaa caggctccta 60  
 agtttcccac acctaaagta attcaaggta gtacattaaa agcatattcc tgatcctage 120

aatatttata ttcataaata aacatggtaa gctgatacat cttttgaaat gttttttatt 180  
 tggaacagtg aatctgtctg gatggatgac tgatgaagag tttgcaagag agatgattgc 240  
 tggagtaaat ccacacatta ttaagaaact tgaggtaaact ttactattga actgttaagt 300  
 acataacact antaaacatt tatccacttg ttaaatttgc agttgataac cttaactcat 360  
 tgcaaattat attta 375

<210> 8143  
 <211> 421  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8143

tctcaccggg ccaccttgat agtgcagtga ctatgctgtt ccttcattat ctgataagat 60  
 ttagtacatc ctataagcaa cataaagtat gtgattaata ataatttaac taatgaaaaa 120  
 tcaaagcatc tttacatgaa ctaatttcca cgttgaatga tataaaagtg aatactgcat 180  
 aatctgcagt cttgatttgt ttagcacctg ctctatacaa tcccaagttt ttgttttgat 240  
 ttttntaag aagccttata gtttatactt tatagaggtg tgccaccagg aaactagaat 300  
 tctaagcaga gtttatgtct aaagcacttg aaaacctatt taaaatgttg ttttgacgat 360  
 tcatttggag taattntaaa ttttctata atttttatta aaaagcttcc tatttaataa 420  
 g 421

<210> 8144  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<400> 8144

agcttataaa atttaaattc acatctttta aagctgttat aaacagttta aactttgggt 60  
 aatcgaatac ataccttggtg taatccaata caggctttga aattcaaact caaaatttgc 120  
 gaattatttc ataaatcaca tttaaccatt ggctgttcat taccagagag gaaatatcat 180  
 atttttgaga atatacatgt tcttaaaaaa aacttgtaga aatttccttt agccaaacct 240

<210> 8145

<211> 382  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8145

acaccactgt cgttgtgaac aatggatcca ttgttaaaaa taaaacctaa ttagaggttc 60  
 acaattgtct gactgcttgt ctctcccaag aatgccatag tttttntgt aagagttggg 120  
 ttatgactga aacttgttgt tttttacagt cttangcgat gtcatatata tatatatata 180  
 tgagttttta tatcagtgtt gcatttttta aagattaaaa atacacatac acatgctttc 240  
 ttatgtgttg ttaactacac caatgacgtg acacacttta tcttgcatca gatctacatg 300  
 tgtagtcatg ttgtgcaagg tcttgtcacg cactttatgt taatgcagac aacaatttat 360  
 catacatggt ttttacaatg tg 382

<210> 8146  
 <211> 382  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8146

agctngcaca tgcataaata gnatataagc aatgttttgt gtaagaagga tgcacatgct 60  
 agtcaaagtt cttatctcgt gaaacatgct tatagggtct cttacatgaa atgatcatac 120  
 ctgtggaatc ttgccagaaa taaagctagt ctataaaaac ttgtatcaca gaccactaaa 180  
 aaattataag ttgtgtttat tggactccaa gtgatgcatt aatattatac aagttaagat 240  
 atcagaaggg aacacttttg caaaaaacca atactttgtg taaccattac cttacaccac 300  
 ccaactttca ttcntacca ttgatatgtt catccttcta tccatttggt gtgttcttga 360  
 ttgtcaacca atgacacatg ca 382

<210> 8147  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<400> 8147

ggcatcaaac aaccgcctat gagcatcatg atatgagctt taacatactg tgctatgacc 60

atatcatcaa catcatgaag ttgctgaaaa ttttgctgca accagcttaa ataatcatt 120  
 ttactcttta cataacttate aggtggagtt tttcctagta atgtctaag agcaacacgt 180  
 acatcatcgg tgaggatacc agttactggc aatccatcaa tcttcaagcg caactgtatg 240  
 cccacatcat gtaaagtaat ggttgcctct ccatgtgaaa aatgaaatgt gtgcgtctcg 300  
 ggtctccaac gtactaacca catgctgggt aatatcaact tttctgacat ttataacatg 360  
 actgaaacca gctaaagtga attacatttt taccogatta tctatccgat ccaagtggat 420  
 gaaagcgcaa acaaaattat acctcgaaca aatcattc 458

<210> 8148  
 <211> 452  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8148

agctntgcag aggtcaatca aaggcattta ttactgtaag atctctccaa tgctcatgaa 60  
 agcaattgga cagacaagca gtgatagtga acattaatat cccgataaaa tttaaagggtta 120  
 atgttaaaat aaataaaaga gtaaataact aaatataaat tatttcatct aagataaaat 180  
 atataaattt gtgagagaat cttttaataa gatataatgt ttaaggatta attagataat 240  
 aaattatatt ntttataatt aaattgatat taagttttta aatttaggat taatttataa 300  
 ttaattcttt ttagaattaa tttatctcac tttttatata tttaaaaatt aagttttaa 360  
 tttttatctt ttaagaataa tttattgcac ttatcacttt taaggataaa ttaactattt 420  
 tagtattatc ataaataaca aataacaaat gt 452

<210> 8149  
 <211> 458  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8149

tgttgagtgc tcgaaggatt taattgctct gcttatttgg attcttatta gtaaaggggc 60  
 caagctactt actgggcctc tattttttac acctttaatg cttgttagtc ctgttattat 120  
 gtattcatat atgcacggcc gtttaaactg tcatcgtaac tgacttttta atagttgctg 180

taatgatggg tattatttgc ttattggcac agcatgttac tctagctagc ttagaaaggt 240  
 gtacggtttg gaatttagtg tctgggtagg atttattgat tgtagtgtgg tcatgtcatt 300  
 atgcagtgtt tacagagggt tatttttagt tgaactctat caagttaagg aaacaagagt 360  
 ccagagggtt attttttga atgatgagca acttgattta ctggnttcat atcacatcct 420  
 ttgagttaga atgctgatgg tctagtagtg cagttaca 458

<210> 8150  
 <211> 365  
 <212> DNA  
 <213> Glycine max

<400> 8150

agcttttaga tgtcttagat tgacaattga atgtatcatc tgctgctacc gtaatattag 60  
 aagttttctt atattaaacg tgccaccact aaaaacaact catttattca atattaatga 120  
 tttgggtacc ctcgatacaa ttggactgct tttggtgata caattgatga tttatatgct 180  
 tcttaciaat tgatgtatga attagactac atcttagaaa cagtgaagga gataaattga 240  
 tgtacaaatt atatcaaag ttaagaacag tgaaggagaa aaattgaagc cacattggca 300  
 actatatgta gtcatactct cacgtcttaa ttgtttctgg ctaactagtt gtgaattaat 360  
 tccat 365

<210> 8151  
 <211> 444  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8151

tgatagaggc cngtggttg actnttcaag agggcggacc cttcataaaa acaaagtcgc 60  
 ttgccaatca tggagggggg cggttaatgc catcgagggtg aatgggtcac acggggcccaa 120  
 gcttttgag gacgtaaaga cccccagaag gtttatctac aaggccttgc aaaaggtggg 180  
 catgattccc tgcggcaggc gcagagaaga ctcttgctaa atgcatccgg gtgtactcca 240  
 tgacatggaa acatgttcgg cagtaagaga tctattacaa tggatgatag accaaggccg 300  
 gcttaaggctc ggcagtgaga gggaggagga acaacatgta tacatgcagt cggcagatga 360  
 agaaggacct aaaaagccta aacccttggt aatacacttc actaggaaca cggctcccca 420

aagacctcaa caccctcgg tagt

444

<210> 8152  
<211> 340  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8152

agcttgtaaa tgaacaacgg aagctctcga gattattaaa tggtcataac ttatcacacg 60  
gaagtccgat tcagacgcat aatatatcga gaagcttgaa aatgaacaat ggaagctgtc 120  
gagaaattaa atggtcataa cttgttacac cgaagtccga ttcaggcgca tactatattg 180  
agacgctcga aattgaacaa cggangctct tgaaatatta aatggtcata acttattaca 240  
cgggagtcgg attcgacgca tatatattga gaccttgaaa ttgaacaacg aatgctctcg 300  
agaaattcaa atggtcataa cttttcaaac ggaagtccga 340

<210> 8153  
<211> 379  
<212> DNA  
<213> Glycine max  
  
<400> 8153

cacacggaag tccgattcat gcgcataata tatcgagacg ctcgaaattg aacaacgtat 60  
ggtgtcgata aattcaaattg gtcataactt tgtcaacgga tgtccgatta tgcacataat 120  
atatccagat gtcgaaact aaacatcgac agctctcgag acatacaatg gtcataactt 180  
ttcacacgga agtccgattc aggcgcataa tatatcgaga agcttgaaat tgaacaacgg 240  
aagctctcga gaaactcaaa tggtcataac ttatcacacg gacgtctgat tcaggcgctt 300  
aatatatcga gacgctcgat attgaacaac gcatgggtgcc gagaaattca aatggtcata 360  
acttgtcaca cagatgtct 379

<210> 8154  
<211> 409  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8154

agcttccatg gggtagagttt tgtttccctt ttcacgctnt aattcactcc ccacaagtaa 60  
 gtgcattttc ccttggttat ttggctctcc attgatgtgt tttggtgctt tagttgctca 120  
 ttttttgcaa aattcgtgaa gcgattcgca tctgaatcca tgcttgtttt gttgagttga 180  
 gggtttgtgt gagaaggcat tangcctatg ttgtattctg aagcaatggg gcatgccaca 240  
 ttgtcccat tctcttgcaa tttgtgtcca aacgtgcgcc ctcgaagtgc tcggtgaaat 300  
 gcccgaatga tatatgaata tganntttgc gaaatgggat ggtgggactg gtttatatat 360  
 gtagagacag catangagat tcaaaatatg tgcccgaatg caatttcaa 409

<210> 8155  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<400> 8155

accgcttagc gacaccttat tcttggttta tcgagactca gtgtcgccaa ggcgaattcc 60  
 ttacggccat aactaaggct catgaagcta agcgccagtc atggcagcta agctgaattc 120  
 cttgcggcaa tgtgagcgct aagagaggcc ttatcagcta agcgcatgct cctctgtact 180  
 taagatgcat catttttagct aagccagcca tagcctggct tatcgagagt tacaactttt 240  
 cggatctgca aacctcgcta agtgggttga tctgtcgct aaaccaagcc tctgttaaaa 300  
 aaaaaaaaaac tgattttgaa tgtgaaacgt c 331

<210> 8156  
 <211> 460  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8156

ttggttgatg ctatttctga cttaaaaata tttagagggtg agtcttccag ttttgcaagt 60  
 taaggaattt ttttagaatt atttaattcg agtaataatt tttttgtag aatgaaggat 120  
 caatgtctag ttttaagtta atagtgttag caaatagatt tatttattgt tatcattcac 180  
 aaaatattta attgaagtaa taattggttt tctagataaa aaattaatat gtgaagttta 240  
 agcgtattaa tttttgtaat taggtttttt actttgaagt ttttttaatt atgtttaatt 300

atttacaagc cttacaaata ttacctgat tcccttctag ttttctgaag ttagaatgaa 360  
 atttgaatct atattttaag ttaaagttag tagatgaagc aaccaaatac agttatttat 420  
 ttaaaaaacta ctcttggtat gattaatgat ntctaatttt 460

<210> 8157  
 <211> 438  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8157

agcttgcatt atgttgagag atagcgtgtg gaaattaggt gcgtcagtga aaatggtatc 60  
 ttgcatggca ggaaagtagt gtaggagaaa ctaattgctg caaaccgggtg agttgtatga 120  
 atcttaattg tgagagaatg actagtatca actactaatt tttgcatgaa tctatgaatg 180  
 ctgaatggat gcatgatgtg gaaatgatga aggccatggt gaattttattt ttttggttaca 240  
 gagccaaata gccaccttgt atgagtaatt aaagtaaacc tttgcaccca gtaagccaag 300  
 catgattgaa tattgtcctg aaccctagcc aaagtaaata attntatcac accttgcctc 360  
 aggttttacg aaagcattat cttgatgtga aatgggttgg tcaaatttga gaggcgggtg 420  
 tgtagtaaat catgtaaa 438

<210> 8158  
 <211> 480  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8158

gcccgcggnn ttgaacatgc atagtgtct taaactagct ttgtgggaaa cagattcagg 60  
 atatctccaa ttgctgacga cactattttt tttggggaaa cttcaatgga taatgttaag 120  
 ctgtgaaggc cattcttaga agctatgaaa tggtttctgg actgagaatc aatttttccc 180  
 agagcccatt tggagcaatt gggcaatctg aggagtgggt ttgtattgct gctgatttct 240  
 taaactgtgc catgcttcac tttctttatg tacctanggt tgccataggt atcaattcga 300  
 gaaggagggt gtgtgngagc ctataattag gaattcgagc tacgttgaca aatggaacca 360  
 agaanaatctt tatggctgca gaatacccaa attaatgggt cttaacagca ttgcctttgt 420

ctatcagtct tctatcacgg gcccttcgca gtgattaata gactaactgc cattcaagan 480

<210> 8159  
 <211> 387  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8159

agctntacag cagaatttag taatgaccca ctaacctaga attaaaataa cttaatgcca 60  
 ttaacctagg gaattaaaaa aaacttaatg gctgagtgt actgaaatta tggcaaccaa 120  
 aggtcacccc caacagccaa caagtcagcc accatttggt ctcccaaaag gctgatgcct 180  
 aggttgccaa ttggggcctt attacaactt gaactaaacc tactaaagcc cttttagttg 240  
 attaacccaa aacatatttt tggtcagcca actttacaag gattggggcca ttatttagac 300  
 aaactaaaca ctctaaaatt gagacaaagt ggtgccattt agtcctcctc catttggggc 360  
 atgatacaac tcacaacctt ggacttt 387

<210> 8160  
 <211> 467  
 <212> DNA  
 <213> Glycine max  
 <400> 8160

caggaactat aaaactaagc ttacaacatg tggattatcc tccagcacat caacatcctg 60  
 catactatgt atatcgtaca gtcttcatca gactcttcag tccaggagtt atcctcacct 120  
 cgcctcgtgt tatcactgca aaccaaatac aaagaacgat cctccatcga gtcctccatc 180  
 aaatatgtat catataagtc atcattagtc cctaccttaa tgtaagatct aagcaaaaact 240  
 ggtgccttga ctcaaattaa gactctagcc acatctagat gcacccattt agtagtatac 300  
 tcatttgcac acatatagtc accataggag ctacaatccg atttaaaaaa tcatcattcc 360  
 attcatgagt agggacatta agcaatttca cccataccaa gttttatggt ctaccaagcg 420  
 agcgagaatt ccatagaaca atatctacag aaccactccc atcccat 467

<210> 8161  
 <211> 449  
 <212> DNA  
 <213> Glycine max

<400> 8161

agctataaac ctactttatc gagttcctga atgttgaaaa agtggttctac atgaatggat 60  
ggttcaatgt ctgtgtggat agtgggtgatt tccaggggtg ggacaatctc gacagcacgg 120  
gagttagaag taaccattgc aaaaagtttg agaactatga tttaaatttc agagaggaag 180  
atgaagtgtt tcaaagtagt gagtaatgcc aagagtttca acattttaag gttttgtaat 240  
gggttttttg gctttttcaa aaacaatcat taagtccact ttccaaaatt gactcaacaa 300  
ttagtgttac aacgtttcgt tatgaaaaat actgtgtttt atataataat aataataata 360  
ataataataa taataataat aataataata ataataataa taataataat aataataata 420  
ataataaatg catgatatgt cgttcatat 449

<210> 8162

<211> 469

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8162

tctatggaaa ctgggatctt gagcttcaat gaagtccttc aatgggtgatt ttcaaccatg 60  
gagatgcagc ggaagataaa ggagaagatg tgagatgatg tagcttcatg tagagcttgt 120  
aggccttaga tcttcttcat caatagagac ttttgcttct tgaagatcaa tggcagcgga 180  
atggagaagg aggaaaggtg attgtagacg ccacttcaag gagaaaatga gtcaagaaca 240  
agctcaccac catatgaagc catggataag agcttgaagg tangagaaga tgagtggagg 300  
gagagagggg gaangggcat ganatgtatg cctcaaatga ggtttgaaca ttgaagtgtg 360  
atttctcaaa tgttcanagt tgaaaaaata cacacacaaa agcttctatt tatagcctaa 420  
gtgcacacaa aattggaggg aagattgaat ttctattcaa cttcacttg 469

<210> 8163

<211> 332

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8163

agctnggcat cttgctccaa ctntctttnt agctcttctt tangtagtgc tttaacagat 60

gcaagcactc cttcttctag ctcaaaaact tccttcttct caagtgtttc atctaacttg 120  
 gctttctttc gtgcttcgtc caaggatttc ttcttagcct tagcaaaggc tacaacttct 180  
 ttgttgctaa tgagagacag agtatgtttg gattgaggaa tatgatgagc tggatgaatga 240  
 ggttgaaggg ataaagaagg tgaacgttga ggtgtacgag ttttaagaat cgcacatca 300  
 gattcttggg cttttggagg ttacgagggt at 332

<210> 8164  
 <211> 449  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8164

tgtagaacta tgttggattn tccctacggg tgttttttgt tccacttttt ctttgttcaa 60  
 atatattcaa gggaaattcg gtttgccgga aagcacaccg gatcgtaag tatttaaaaa 120  
 ttaaaacgga tgaatccgag tatcgaacac agggaaactaa tgtttacctg aattaagtgc 180  
 agaatgaag cattgttgag agaacatgta tgattgataa tttcaaaca aatttaaact 240  
 aacttttatg ctaaaaacta taaaaagcaa ggtaagtaaa agtgacaaca gtaggcagaa 300  
 attgttgggt ctttctaaca aacaagctga tgcataataa tatatttctc taatcaatca 360  
 gactcttggt ttctatgctg tagcctaaat tactaaacct cgatccctcg tcagaccgaa 420  
 tcaatccaag ctctgtactc atatccctc 449

<210> 8165  
 <211> 446  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8165

agcttaggtt atggttcacg gtatggtttt cttgagcctc agtctataca ccatgcaaag 60  
 gacagacgtc aagaatgtca acaatacatt gaaacatggg tcaaaggaat cacattgaca 120  
 agtgactta ggaccttact tgaatcagta agtgaaattc atgtcattat tgcgaaaaaa 180  
 gtttgcatta taagtaccta attatagttt ttcgacttca gggcacattg gcatcttatt 240  
 gttctgtgtc cataggacaa tattgatgtt tggttttgtt ctttgcttaa gaagccta 300

gttaacatca aggttgcaat taacagggtta ttcttcaaata tataagtaaa ttaatgtata 360  
ccaattgtag tatattaaca caantaatatt tatcttatat acgttaacgt tattgtggaa 420  
actagtgcaa tgaagacatt aaccac 446

<210> 8166  
<211> 455  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8166

nttatagaca ctgtaattgg gtttaaactt tataatggaa aatatcggtt ttaatattat 60  
tcttttaaga taaagaaatt ttagcaggaa aaaaagttca tataagaaag gagacatctc 120  
tatctatcaa tcagccagtg aaaattatct ttgtgggtta ctgcatttca ttgggttgga 180  
tggtatacaa tagtattctt gtttaacttct tcatttatat tgtgacttga gaatgaactt 240  
atctcttgta ttacatacat gtatcagttt ctgaatacat aaacttggaa gtgtcactcc 300  
ctctaagac cactatatta tatgaaaagt tggaaatccc attaccacta ctagagttgt 360  
tgaaagagag aaaatagatt caagagatgt tgaacactgt gtcttgacta cacaacggag 420  
tccattntat atagacttaa tgcaataaat acaaa 455

<210> 8167  
<211> 421  
<212> DNA  
<213> Glycine max  
  
<400> 8167

agcttctgtt ttcaatttcg agcgtctcga tatattacgg gactcaatcg gacatccgag 60  
tcaaaagtta ttgcgggttg aatttgatgt gagactccgt tttcaatttg tagcgtctga 120  
atatattatg ggactcaatc agacatctga cttgaaagtt tttgcgggtt taatttctag 180  
gggcatctgc tctgaatttc gaatgtctcg atacattatg ggactcaatc ggacatccga 240  
gtaaaaagtt attgtcgttt gaatttgcta cgagattctg ttttaaaaat ggagcatctc 300  
gatgtattac gggactcaat tggacatacg agtaaaatgt tattgttggt tgaatttgcc 360  
cagagctctc gttctcaatt tggagcgtct cgatatatta ccggactcag ttggacatcc 420

<210> 8168  
 <211> 205  
 <212> DNA  
 <213> Glycine max

<400> 8168

tgtctcagcg ttatgcgaga cggagaccaa catgctagct atcatcgcca agtaccaaga 60  
 agagtttaggt ctagccacgg cccacgagca taggatcgcg gacaagtatg ctcaagttta 120  
 cccagaaaaa gaggcaagag gaagggtgat cgactcttta caccaagagg caaccatgtg 180  
 gatggatcgg tttgctctta ccttg 205

<210> 8169  
 <211> 405  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8169

attaggttgt taagtttctt cctaactaaa aatcaaaata aagccttata ctaacgttcg 60  
 tgaattaacg cgttttcagt tattagtcga aacaacanca ttcacttact atagatcgat 120  
 actataacac tcttaatatata ttaataaaaag aacattagga ttgctagccc ataggtgaca 180  
 cattgttatt gacttgaaac aatgcatct atggctattc tttttcacta tacgccgtaa 240  
 actatgggtg ttgactatct tttcaagtat aatcacattg tgtttctaac tctggcctac 300  
 atatgggctc ctaatcaata ggacttatct ctgaggctgt ctcattcat ttaacttgca 360  
 ttgtaatcat aattatatca caatacttta agttcactca tgtcg 405

<210> 8170  
 <211> 455  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8170

tcctccaata ctgcaccttg actctctatc agcaatgtgt attttctata tttggattga 60  
 gggggcatgc tggctttaga ttntcctaga ctatggctac tcttgatctt cacctttcgg 120

tctattggct tccttgaaga ttttccacgc attttctttc taaacttggc aatctcttcc 180  
atctgaatga atctaacagc ccttgctccc aacatgtcca atattgtacg caatctcttg 240  
cacagactat ccgagtaggg accaaatttc aatgccataa tcattgaagg gagtgtgact 300  
tttgggctca agttctgaat caaaactgag actgggtgata acctttcaat gaaatcgtga 360  
aacgatacctc cttcttctta cctaattgca atgagtgcca caactgttag atgggtgtgg 420  
atgctcgtca cgtactgagc tcccaattga ctata 455

<210> 8171  
<211> 318  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8171

agctnttcgc anagcttacg gtaaaatctg ggacttatcc atggtagaag tctccacaga 60  
ggccattgcc tcccatgccc agtattatga tcagccgatg aggtgcttca cctttgggga 120  
cttccagcta tcacctatgg tagaagaatt tgaagagatc ctaggatgcc ctctaggggg 180  
aaggaaacca tacctcttct cagggttcta tccctcatta gctagaattt ccaagatagt 240  
ccaaatctcg ggcgaggaat tagaccatag gaagcaagtc gaaaatgggg tggttggaat 300  
attgagaaaa tatttgga 318

<210> 8172  
<211> 455  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8172

tgtgtaacc accatctttt catagtagaa tactgggtat gtgtctacca tcacgattat 60  
catctccctt tccatcattg ggagtgccac ttgggctgcc agatccctcc acctttgggt 120  
gtattctttg aaagattcgt gccctttttt gcacatattt tgtagttgca tcgtagaatg 180  
gactcgagaa ccattatgtc cttccaagaa tgcactcggg aaggttccaa gttagtgtac 240  
caagtagcag ctacccagc aagactttct tagaagaaat gtatcaacaa ttcctcatct 300  
tttgggtatg ccccatctt ccgacaatac atcttttagat ggttcttgtg gcaagtagtc 360

cctttgtact tgtcaaagtc cagcgcttg aacttgggaa tgaccacgtt cgggtactan 420  
gaacaactct tctatgtcag taaaggcata atctc 455

<210> 8173  
<211> 362  
<212> DNA  
<213> Glycine max

<400> 8173

agcttagccg ggccttctgc ggctttaacc agttgtcgac cgagagttcc tgggcggtca 60  
gcggtggccc gaccacgacc tcgacgcga tcgggtcggt ctgttcgagt tcgtaggcga 120  
tgaggatgcy ttccttcgtc aacctccgga cctcccgatc gatctcggtat tctcgtcgg 180  
cgtatcccc ttcaagatcg acctcccttg cgacgagcgt cggcaggtgc gactcgtcgt 240  
agagatagac gatcagcgcc tcgttgtaga cctcgacctg cgtggcccc gggcggtatgc 300  
cgggccatgg agcttctgac atgcggacct ccggcatcgc gtgtagattc ctctcacgcc 360  
at 362

<210> 8174  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8174

tattaggacc tatgaaactc aagctntagc gacctcggcg agaggccatg accgagtttg 60  
cggctgaagg ctggacgttg cgagcctgag gattgggaat cctcggcggc catttccccg 120  
atctccagga agctgatcga ctctccggcc ttcggcttgc cgtcggggcc gtgagttagc 180  
gtgccttcgt cccgagtcgg accgggtcca actcaaccgc ctcgccccgc tcgggcttca 240  
cccaggtcct gaagagcgtc tcgtccgggc ccggcctgac ctcgacctcg tatgcctgcc 300  
cgacgaccag gcccgaggag acgaagcgtc cgtctcggtc ggtccggggc tcgccccgga 360  
aggccagtcg cgaagcattc ttcgaatcgt cggggaagac gcgtcggccg taggtgagcg 420  
tcacgccacg cgcaggctcg ccggccccgt cgaggaggat gccctcgt 468

<210> 8175  
<211> 311

<212> DNA  
<213> Glycine max

<400> 8175

agcttagaga tgctacaact tggggggagt gttggaaact acaaaaaatc tattagtgt 60  
ttaattcatg tacttagttc aaatttgctg agtttgagtg ctaaaatctc aagtttctta 120  
gttcaaactc ttaaactcta aaatctcaac ttctctatca ttatgacttt tctattgccg 180  
attacatcaa tagttttgac tagatttgat agtttatttt tatctgcata ttttataaag 240  
gattaaatgc tctgttgtaa gacaccatac tattttacaa accacactgc tacagacttc 300  
gaggtttaca c 311

<210> 8176  
<211> 452  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8176

tcaggggatt gaaattccgc ctgacaaaca ataaattatg tttgttgta agtaaataac 60  
aaatttagac tattaagaa aatcaacgaa gaaaactcaa atacctgaat atcctcccat 120  
atcaaactct tctgagcagt agggaacttc ttccaggtgt catatgtcac gtcgacctta 180  
tcacgagcga caatccccc aaatgttctt aatttcttct tgtagggacc gtcggccttg 240  
ccggtagcag gatcgacgtt gaccacaggt ctttctgccc caggtggtct agtggccaat 300  
gatcgtagcc gtgtcgctt gcgtgtccgc ttcaacgtag atggagacgc atcanagttt 360  
gcaggaggag gaggaagagg aggaggaggc gaggcangtg gagtatccat ggtcctttaa 420  
agaaaanaag ttgagttagt taatattatc aa 452

<210> 8177  
<211> 390  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8177

agcttatcct tatggcttgc ctctggactt cacttcccgt gccaccccg taagattaag 60  
ccaagcccct acttttgagg ggcaacttcc gccttatgac gactatcccg ggcaagacga 120

tgaggaagga gatacccatc ttggccccct gctccacctc aaagatccgt ccccatga 180  
 actaccccaa ccgaacatag tccgccatat cccggcctca cccacaccg taaaagaatc 240  
 tgttcccttc gcggaagata agggaaagaa tgaggcgctt gaagagaggt taagagcagt 300  
 cgagggcctt ggcaattacc cattctcgga cttagcggat ntatgtctcg tgcccaatat 360  
 cgtcattcct tccaagttaa aagtaccgga 390

<210> 8178  
 <211> 460  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8178

ntatgacatt gttaatgttt tcttactaat tgtggtcatt tgattntagt attaatecct 60  
 ttataatga actcaccctt gaaatTTTTg tatcatgtgg ttggtacctg tgatgatcgc 120  
 gaacccttgt tcgtgggagt agaattgacag cagtagagta caggattatt ttagggagag 180  
 ttgtgttttg ttaatcaact cctccatagc tggttccatt attcttntg ttgaattgag 240  
 gatgtaaatc acaatcttaa ttatatgtat gaacaaattt actttccatt atgtgaataa 300  
 tgtgtactaa gttactatgc ctatatatat atatatatat attcatttaa gtaatggtgc 360  
 gttgtttggg aatgtatatc gtgaaattaa aatntaaaat ttactttaat ttttcataag 420  
 caaattaaca gaattttcat ttaaaaattg aagatttcac 460

<210> 8179  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8179

agctngagga agtgatgact tccctttctt aatggcgacg tctgatagtc cacccttttt 60  
 ttatgaaccg gtgtctatct gaggtcttgg gtctctttct ccccttgacc aatccagtgt 120  
 gctcttcttg agcacttgaa tgtggccccct tcccaactcc accctaaaaa aagatgatgg 180  
 tactcaatga accaagaggg gaagaggggtg aattgggtttt caaaaacaaa acttttaaaa 240  
 ccaaagttac aaaagcttct ttatataaaa tcgtatcaca aaacttttca tgaactgaac 300

tcaatcaata cataatcaat ccacccttta tacaatatcc ttcattaaag ttatttcatt 360  
 ttttaacaaag atatatcttt gaatcttttg aacactgatt aatacttgaa tgagaaataa 420  
 agatcagatc aagagaagag ata 443

<210> 8180  
 <211> 446  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8180

aattactttg gttcgggtcaa aattatttat tttaggataa tttattttta ccaaaatgtg 60  
 taggctttta ttttctttt tattactaat tatagggatg caatctttgt tttgtaaagc 120  
 cataagtcca cttgtatgtt cttcagttaa ttttggaatt atgctttttt caaaattttc 180  
 gtaaagaaaa tctacagttt tttctatttg gtttagtctg atttccaaag tggaaatcct 240  
 attgttcata attttatttc catgatcatt ttctttctta aagtctggaa attctatttt 300  
 cagaatagtt tgtacactag ttntgcagaa attcttatag cataaactac agtgagctct 360  
 tagtgtttg tgtggatc ttttacagaa ataacattct ttgtgatctg gtcctatgtg 420  
 gaattgtatt tcatgttcat ggtcat 446

<210> 8181  
 <211> 396  
 <212> DNA  
 <213> Glycine max  
 <400> 8181

gcttagagag gaagcttcaa ttgaggaaaa gaaagagata ggggggagca caaaattgaa 60  
 ggaggaaaag aaggagagaa gatgaacttt gaagtgtgtc tcacaagact cataatcatc 120  
 gaagttacaa taagtgttac acatgcttct atatataact taggtagctt ccttgagaag 180  
 tttccttgag aaactttctt aaaaagctag aacttaatta cacacacccc tctaataact 240  
 aagttcacct ccttgagaag ctttcttgag aaacttcctt gagaaataag cttccttgag 300  
 aaatttcctt gagaagcttc cttgagaagc tttcttgaga agcttcctag agaagttaaa 360  
 gcttagctac atacatgcct ctaatagcta agctca 396

<210> 8182  
 <211> 472  
 <212> DNA  
 <213> Glycine max

<400> 8182

atactcaagc ttcttagttt cagatgatgc agctgagttt gtagttacct catgcaactcc 60  
 tctaatagact atagcatcat ttctggcact aaactgctgg gagttggaag ccattcttctt 120  
 aattaaattt ttggcttcag caggagtcac gtctccaagg gctccaccac tggcagcatc 180  
 tatcatactt ctctccatat tactgagtcc ttcataaaaa tattggagaa gcagctgctc 240  
 tgaaatctga tgggtgagggc aactggcaca tagtttttta aatctctcct agtattcata 300  
 caagctctct ccattgagtt gtctaatacc tgagatatcc tttctgatgg atgtggctct 360  
 ggaagcaagg aaaatgtttt ctaagaatac tctcttcagg tcactcctagc tcgtgatgga 420  
 ccgtggagca aggtaataca accagtcctt tgccactccc tctaaagaat at 472

<210> 8183  
 <211> 456  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8183

agctnttctt cctctttccc acgttgcttt tctcttcttc ttctctcca ttgaagcctc 60  
 cattaaagct ccaaaattgc tcatcatttc tactccaaat tgcgaaggga agccattttc 120  
 ggagtcgtga agcacacctc tacgttggtg gacttcgaat ttcaggtatg ggtggacttc 180  
 ttctcacatg aatttcgtgg gtattgggtt tttgggagct atgatgggta gttctactaa 240  
 gttaatgcct tatggtagtt atttgtgaag gaatatgttg aaatcatgct aaacttgaca 300  
 tgtntgatgt gagtaaagct acccattcta ttttaggggt ttacgatgat gctttgtgat 360  
 atttgtatgc tgaaacttgt ggtagaaaac tggtaaagat gatggggaga gtttaacttac 420  
 ggttaaagt gagaatggta gtgatgtgag tggaaa 456

<210> 8184  
 <211> 471  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8184

ctaagcttag tgccnttagg aactgaagaa agaatakana gcagaatggt aatgtgataa 60  
 aacttcattt atatataattc ttctgtctta agagaacaaa taaggaacac aaggggtaga 120  
 aagaactaag aagtaaaact aaccaattgt aggggtctgta acttaccac caacanaaaa 180  
 atcacgggct cgttgagatg ctaccctgtc tttntctgta nttgtttgag gaaaaatccc 240  
 aaacgtgtaa atagagatac caacaaatcc atgttgnttg tcctgcaaag ccacttaagt 300  
 tacttagaaa atgggaacat tctttgctat cagtgtccgt atgagaagaa taaatgtcaa 360  
 aaatattaag attgagaagc agataaggat cctacagtta taagtttaaa ttttatgcgt 420  
 gcataanacc tattacattg tccgctaata aaaaaattat aacatcactt t 471

<210> 8185  
 <211> 110  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8185

acctgcngca tgcaagcttg cttgtggagc ttctatggag gctggatctt tgagctttaa 60  
 tgangtcctt caatggtaat ttttcacat ggagatgcag cggaaggcaa 110

<210> 8186  
 <211> 461  
 <212> DNA  
 <213> Glycine max

<400> 8186

actaagctga cgtttaaaat ttaatatagc ttgccaagtg tgagtatgga ttttcatttg 60  
 gtaaacatg aaacaaattg cattgtatta gctgtatcaa tgaaagtggg taagttaa 120  
 tttgtgctg aacctctggc cacgcaacac ttgagaaata ttgcggtttc gaagtcttg 180  
 agtaatcttc caagttcact cgtcgagggt gctcttcaac catgacttcg gattcaaatt 240  
 ctgctgggtg agattccccg aatgtatgtg aattataaga tgatgactca gaaaagtaag 300  
 cctcttcag gattgggtgct attattctgt cgtgcaaaag ctttcttttt ctttctacgt 360  
 tgtttcttct aaaggtgggt tcaatttcta aatccaatgg aaccaattca cctgcagagg 420

atctacacat gctaacta acaggataag catttaatca a

461

<210> 8187  
<211> 417  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8187

agctntgtgt tatcaattac actaatttgg taatcgatta ccagcgtttg tttctgaata 60  
aatcaaaaga tgtaactctt caaagggttt ttgacttttt caaattgggtt ttaagttttt 120  
ctaaagggtta taacttttct aaatgggtctt cttgattaga catgaaaagt ctataaaaagc 180  
aaggctttgt tttgcattta aattattctt tcaatcttga acacttattc aatcaatctt 240  
ttagaagccc taaatctctt tgaacttctt cttcttcttt gcaccaaag ccttctgaag 300  
ttttctgggt ttctaaacct tgaacacttg tgctattcat ctttacattc tcttctcct 360  
ctgccaaaaa gaattcgcca aagactaact gcctgaattc tttttgggtc tctcttc 417

<210> 8188  
<211> 458  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8188

ntattcttaa ttttcttgaa cttgataatt gggaatttgc tttattntg acaatacact 60  
ntccattcg tcaatcctcc taccatgtaa gtaagatcca agaacttcaa gagctagtag 120  
tagtctcca caataagcaa ctacatttct tgcaagttca ttgaagtctt cttttggatt 180  
tggttctcca aaagcgtgaa aacaaaaaag ctcaagagac tcattttcgt ccatttcctc 240  
catttcataa acataatcaa ctntaaatag gttcagtaca cctgcatctc ttgttgtaat 300  
gattattaca gatccttgac cgaaccattc acaatttcca cataaatctt ctaattggcg 360  
aatctccttc acatcatcaa gtacaatgag cacccttttt cctgaaagtc tattctctat 420  
catagttggt cccatcccaa tgctatgtat cttgacct 458

<210> 8189  
<211> 447

<212> DNA  
<213> Glycine max

<400> 8189

agcttcacct tctggctctc ctcatagttg ctgtatgaga aaacatgggc tattttcatc 60  
tcccactcca agtaggcctc cggatcattc tttcctttaa atggaggaat gttgagttta 120  
ataccatcaa tttggttttg tctaggaaca ccatccctct tctcctcctt tcttcttcat 180  
tatgatctct attctccatt tgatccaacc tctcatggag cgcacatctc cgttggttca 240  
ttaacctctc caaatgttgc atcaaagctt gcatttggaa ttgcgaaagc cccactccat 300  
cattaggatt agtacctgac atctcaaaca aacaaatcaa acgtaacaag acaattatag 360  
tggtctgttg aatactcac ccactctcaa gtgtatcaca caattatggc ttttctctaa 420  
tgaaacactc ttgcctttta ccactct 447

<210> 8190  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8190

tttgagcaat tcaaattggc ataaatagtc actcggaggt cttattcang cacataattt 60  
atcgagacgc tctaaattga acaacggaag ctctcagaaa atttaaattgc tcataacttt 120  
taactcggag gtccgattca tgcggataat atatcgagac gtcctaaatt gaacaatgga 180  
agcttttgag caattcaaatt ggtcataaat agtcactcgg aggtccgatt caggcgcata 240  
atttatcgag acgctctaaa ttgaacaacg gaagctctca gaaaattcaa atgctcataa 300  
cttttaactc ggagggtccga ttcaggcgga taatatatcg agacgctcca aattgaacaa 360  
tggaagctgt tgagcaattc atatgggtcat aactattcac tcggagggtcc gattcaggcg 420  
cataatttat cgagacgctc gaaattgaca acggaagc 458

<210> 8191  
<211> 427  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8191



ggagtgatga agacataacc aagggcaagg accatgaagc acttgaaggt tccatgacca 240  
gaggcagact taaacaagcc caacacgtta tagagacaac gctggtcatt tgtatagctg 300  
ccattgatga tgattgaagg cccaagtgga gaaagatgaa t 341

<210> 8194  
<211> 397  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8194

ctaagctgaa tagacattcg tgtgaaagta tgacatttga tttttcgaga gtttccgatg 60  
tttaatttcg agcgcacgca tatattataa gcttgaatcg gacatccgtg tgaaaagtta 120  
tgaccatttg aatttttagag agttcccgat gttgaatttc gagtgtatcg atatattata 180  
cacctgaatc ggaccttagt ggtaaaagtt atgaccatcn tgaattcacg agaagctttg 240  
ttgttcaatt tcgagtgtca ctatatgtga tgcgccaaaa ttggacattc gagttaaatg 300  
ttatgagcat ttgaatttct caagagcttc caatgttcaa ttctgagcgt ttcgatatgt 360  
gaattgctg aatcggacat ccgtgtcaaa agttatg 397

<210> 8195  
<211> 456  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8195

agcttctaaa cntatacaa gaatgaagct ctgataccac ttgttagaca tgtggcctca 60  
gatatcttaa gaaggggggt tgaattaaga tattacaaac tc' caa attcaatt 120  
ctactttgat tctaattgcaa gttccaagtt cctttaaag' tgaatttcta aatgatgatt 180  
caaattaaac aatctgaatg taactgttaa gcaacaataa ataaaagagt ttaagggaag 240  
agaaagtgtg aacacagttt ttatacaggt tcggcaaagt ccgttgctta cgtccgatcc 300  
ccaagaaagc cgcttgggag ttccactatc tcgtaatcct ttacaccttc tgaacacac 360  
aaggacatcc ctctctttgt gttcagatgc tttacaacaa gagactctca gtctcttagc 420  
cctttgatca gaaagagagg aagaagaaat gatctt 456

<210> 8196  
 <211> 462  
 <212> DNA  
 <213> Glycine max

<400> 8196

gtcttatttc agcagatgaa gatgaatcca tggccacatc atggactcct ctaaggacaa 60  
 tagcatcatt tcttgactg aattgttggg agttggaagc catcttctca atcagattcc 120  
 tagcctcaac aggagtcata tcaccaagag ctccaccact ggcagcatca atcatactcc 180  
 tctccagggt gctaagtccc tcatagaaat attgcagaag gagttgctca gaaatctggg 240  
 ggtgaggaca gcttgacac aatttcttga atctttccca ttactcatac aagctctctc 300  
 cactaagttt ccagatgcct gaaatgtctt ttctgatggc agtggtccta gatgcaagga 360  
 agaatttctc caagaacaca ctcttaaggt catcccagct ggaaatggac ctgagagcaa 420  
 ggtagtaca ccaatccttc gccactccct ccagagtata aa 462

<210> 8197  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8197

agcttactct aggatcataa naaatgaatg atataagaat ttgagtgaga gagataacaa 60  
 tcaacactcg ggaatataaa acatcagtat ttattattca tctttattgt ttacacataa 120  
 caaacatcaa actacacaat aactaacaac aaattttcta taatagaaat tctaattgaa 180  
 ttaactgcct acaagcctaa gtatatacct aagtactct tatacaacaa tttccacct 240  
 taactnggtt taacacactt aatactaaca aagactcaac tctgtgtccc ttcaaggcaa 300  
 acaaccaata tcttatctaa acaatactta aacttgctcc ttggtaaaac ttagttagca 360  
 tattaccaag attcttcttt gtagctatct tctcatcttg atcgaagccc ttgtaatcat 420  
 at 422

<210> 8198  
 <211> 452  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 8198

tctaccctgg atcgaatggg cacataaacac ctcttgtaac gtctgcacag gcacaactcc 60  
ttatgaggtg acgtttggaa gaaagccatt taactttcca gagtatatca aaggaacatc 120  
taacatcgaa gcattgaatg cttattgact gacaaagatg ccactttcca aacgattcgc 180  
aaaaagcttc ttaaagcaca ggaagctatg aaaaagtagg ccgatagcaa gaggcgcaac 240  
aggcaatacc agataggtga ttgggtcttg ctccggcttc gtcctctcca ccagacatca 300  
gccaaagggc ctcaaatagc ttctggtaaa ctcgcaaaac gattctatgg acccttcag 360  
gtaatagatc gcattggcat tatggcctac aaactgaaat tgccggagac agctaanatc 420  
caccctgtgt tccattgctc taaacttaaa cc 452

<210> 8199  
<211> 361  
<212> DNA  
<213> Glycine max

<400> 8199  
agcttataat ggtaaaacta ttgaatatat atatggatat taataattat cttatatatt 60  
ttaaaccatat aaactaacat atataaaaaa ctaaaaataa ttgataaata tattataaaa 120  
aatataatat agaaaattat aaattataaa ctcaacaccg gtgcatggca cgggggtatta 180  
tgatagtaaa ttaaatatga atgggtgaat ttgggtttcac cctaagagac gccatgtcaa 240  
tggttataat tttttttctt ctctttttcc ttcattaata taaattagct tatttgtata 300  
aaaataaaca ataattagaa atataaatcg cataacaata taaaaatttt atatcataac 360  
a 361

<210> 8200  
<211> 395  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8200

tgtaacttat actggcttat gcgtgatatg tgtgctaaca ctgaagttac agagcctcgt 60  
agttgcacta actgtcattg gtaacctaca cattcttttg tttgcagggtg acaggttgta 120

ccatcttggtg tgagggtcat gaaacaagcc aatgtaatcc cattgaagaa aacactaaag 180  
 aaattcatat atgggaaatc aacagcggca aggggtatact ctangaggat tttcaggctt 240  
 ctagcaagga ccttatagtc aacaaggata gtggagggtca caccctagca atcagttcaa 300  
 caaagatcag ggtggacttt cgaatangcc aatccaacaa gggcctaaca tcttttagagg 360  
 actactaagc tggaagagac ttttgactca gttat 395

<210> 8201  
 <211> 420  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8201

agcttgcaact ntntgagtgg aataatctct catataaagt tattgtgggt ggagcataaa 60  
 gttccatttg atggaacatt gttttaacca aaaaaattgc aacacgcatg aaagcatctt 120  
 catcttgaat cttgatataa cagataaggc ttaaattatg ttgtctttct tatttattcg 180  
 gataacttat agatngaaag catatattaa cacatgatga aaccgtcttc ttcttttaggg 240  
 tgttcgtggg tttgatcaaa ttcattatcc tacaatcga ttcatttaaat aaagctaatt 300  
 tcttataata aactttgggt cagtcgggtt gatttgctac ttcgactgat ctccattaac 360  
 aattatgtag ttagtcaaaa tcatttcatt taaatcgcat acttttagata gttgaaaatc 420

<210> 8202  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8202

agaagtagta tattttcacct tcaaaccaat tcaatcaact atcaaatatg anattacaac 60  
 acataaaggc gccaatgaac cgaatagcac tcaaaaaaga gtacatcgca tgctaaacgt 120  
 gacttacagg aaacgcatta tagaccatgt gatgctcaat atcaagcagc tccccagtct 180  
 ccaaacacga aggtctgtga actggaaagc tagttttgag aaactgttcc aatcgatgcg 240  
 catcgatgtt tgatctgtag cctccgtctc actaaaacca atcagaacca cgttcacttc 300  
 aagcggaact cgaaacggga cctacacgaa ccacagacta aagcattcac acttaatata 360

acacatcaat taattggata gcgaatgtga atttgatttt tgtggtgacc a

411

<210> 8203  
<211> 448  
<212> DNA  
<213> Glycine max

<400> 8203

agcttagaaa gacaatactt cattcatgac atcaaataaa ctttaaagtc atccgcaata 60  
ttcaaataaa acatatatga attattggaa aagataaaac acaatgcaa atgtgagtgc 120  
ataccactag tcatatatca tttaaagtaat taagtttaag acacataatc atgaacaacc 180  
tagagcacgt caatataatc ataatgttca gtcatactaa gcaagtgtta aaagaaatac 240  
taagtattca aatgtcataa aaacatagtc aaagacaagg cttaaaaaca aaatataatt 300  
ataatctaaa tatattatca gagaatctaa gcttaggttt aagtaacaaa aattagttat 360  
gaacacatac atggtgactc attacttatac ttgattaatt aaccactaga ttttaagtat 420  
gatataacaa tcatgaacac atatcata 448

<210> 8204  
<211> 462  
<212> DNA  
<213> Glycine max

<400> 8204

gtcaattcat tcttcttttag ttcgctgtca ttcttcatct cgtttacttc tagtattctt 60  
ttcttccgct tttacaagct ttcaaccatt tatttaagcc gttctcttgc ttaataattg 120  
ataaaatgaa tttcaaccga tcatttgtgt tgcaatctcg tttaatcact gttaaaataa 180  
aatccaaccg atcgtttgta ctgtaacctc agttaaatca aaaaactgta aaataatgat 240  
aaaataatca aaatatcttt gaaaaaataa taataaaata ataaaaaaat caattagaca 300  
ttttactttg aaagtttcct tttaatgagt tgataataac caagtgaac taaggctaaa 360  
atcaactcac aaaccaagct ttgcccgcaa aaatcacttg aagttgtttt aagggtcaac 420  
accttaaacg atcacgaaga actacatatg tctgagttcc tc 462

<210> 8205  
<211> 459

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8205

agcttatctt aacacanaaa tggcatgcta atctcctccg attagaacga actcatgcac 60  
 acgtttaatg taacacattt atgcacaggg gtatgtgtaa aatatacctac tatttatgtc 120  
 aatgtacaag gacatccaac acattctagt taccatacat atatatgtat tttttaaaag 180  
 aacacacatt ctcatgctca aggcactgcy tcaaaattca cacctaata caacctaata 240  
 attttgctat cacaaactac ctacacatat ttgaagcaca tatcataaga ctttcattgg 300  
 ttcactcaca tttatttata tgcataattgg aaagctaatt acgtcatgca cataacttga 360  
 tttanaaagg ggaatccatg ccatcataca ttcatttagg aagcgacctc aatattcatt 420  
 tangaagata ctcatcaca cntgcaagg aatttcatg 459

<210> 8206  
 <211> 350  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8206

tctaggcctt atctcgtgctg tttatctacc tgtaacttac tatatgtatg atattttcaa 60  
 aaccgagtat gtacatcggt cttaaaacga gtacgactac tagtttccaa acgtgtatat 120  
 caaacgtaca tcgttttcaa aatcgagtag catacgtaca tcgtttttaa actgtgtggt 180  
 tcagaatttt ttaattattgc tctgttttac aaaanaccaa aattaacctt gtaaattaaa 240  
 tcagacacac agacacaaca tatatcatct gcatttgctt caagaggnt agcagaaaact 300  
 agctagtaac tattaatgaa aaaatcaatg atactatgat actatcaca 350

<210> 8207  
 <211> 353  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8207

agctngaaga tgcaatgcng tgaatttaga agggagaggt tgcaaganaa cttttgaaat 60

553404#5042403

atttgagta agtgaagtg taacggctgt tacactttac ttatccattt ttcgaccaac 120  
 tcgcttcgcg agtcaacca ctaagcgaga gagagacggt tggcttctcg ccttctttct 180  
 tgggtgggccc acatgctggg cccaatttca aattcaaaca ttttatttga actatgctta 240  
 gcgcaaagta gcacactaag cgagtgtgca gataaggaat cctgcaactc tcgctaagcc 300  
 gggctcaagg ccgacttagc gaatatactg catcttgcac acagaggggg tat 353

<210> 8208  
 <211> 459  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8208

tgtaggatta tggggtaccc atcacatgtg gtactagggtg gctgtcgggc gatggtgcac 60  
 aacaagtttt ccacatccac aatgcgcgca taaaccaccc atcccctggt gccacctcc 120  
 aactgagctc acgtactccc acgtagccca tatectcggt tctctcaata ccgggtcccc 180  
 atcaatcctc ccaagcttcc acaacatcca agaaaaaca cattcaaaca gcacaagcta 240  
 tcacagccaa gcaaaacaga gcaaaggcag aaaactctgc caaaacacca accaaatcac 300  
 agcttttctc acttaaagac cccagtaaca attccttcgt tccagttcat taaccgttgg 360  
 atcgactcga aaattntact ggaagtcttt agtacataag cccacanttt tgaccgtggg 420  
 atctactaga aaacgtccag aactcactct acattactc 459

<210> 8209  
 <211> 450  
 <212> DNA  
 <213> Glycine max  
 <400> 8209

aaactaagct cttaagcgcg ggtctgggag acaaagggtca agtggttcgcg atatgcgatt 60  
 atgatgttcc gagtactttg gatttggtac gaccatgcc tcttgatttc cagctgggaa 120  
 attggcgagt ggaagaacgc cccggcattt acgcaacgag cataatgtca acctttacgg 180  
 ctttaaaagc tctatagttg ggcctaggct ttagagtttt tccttttggt aaggctatgt 240  
 gtcttttgat tttgaattta taatacaagg atctttcttc atctgttctt acgtctctac 300  
 ccattctcat tcatttgcac gtttacttca ttttctgaaa cgacagatcc gatgacgagt 360

ccccgaacg tactaatacc tgtgacccga ctatctactt tcggcaagaa atgaatcaaa 420  
cggaagatga aggaaacgag gatgtgggac 450

<210> 8210  
<211> 448  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8210

agcttcaaga aaaagatggc ctcagcaaatt tccttatttc cagaagggaa ttctatcaat 60  
agacctccaa tctttaatgg agaggggttac cactactgga aaacccgaat gcaaattttt 120  
atcgaggcaa tagatctaaa tatctgggaa gccattgaaa tagggcctta tatacccacc 180  
acagtagaaa gaagttcaat agatggtagt tcatacaagt aaagcataac catagaaaaa 240  
cctagagata gatggtctga agaggataga aaacgagtac aatacaacct aaaagccaaa 300  
aacataataa catctgccct aggaatggat gaatatttca gagtttcaaa ttgcaagagt 360  
gctaaggaaa tgtgggacac tcttcgataa cacatgaagg aactacagat gttaaaagat 420  
ctangataaa tgcactaact catgagta 448

<210> 8211  
<211> 455  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8211

ntggaagcaa tcttgtattg gtgcttcctt catcattcct gtttatgcct tcagcaacca 60  
agtcaaacag tagggggggc aaaggatccc tttgtctcaa acctctttga ggcttaaatt 120  
cagaggttgg gcttccattc actagaatag atatagaggc tgatgtgagg cacccttat 180  
tccatccaat ccatatatca tggaacccca ttcttctcat catataaaan aggaattgtc 240  
aagacattga atcataggct ttttcgaaat ccactttata aagacacacc cacacacaca 300  
cacacacatt tcctctcaac taccttattt gcaaccagaa caccatggag ctactgtcta 360  
cccttcacac agacacaccc acacacacac acattcacgt tgggacacac ccactcatac 420  
tcacacacac acactcactc ggacacacac gcaca 455

<210> 8212  
 <211> 127  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8212

agcttgtgtt tttaagggtg tacgattata ggctcancaa atttatagat ataatgactg 60  
 cctacacgaa ctgtatcgtg gggggtatga actgctcgac ttgaaactta tggaagagaa 120  
 gagcaag 127

<210> 8213  
 <211> 169  
 <212> DNA  
 <213> Glycine max

<400> 8213

gccccctaaa acaaacactt ttttcctgga ttgacctcta tcataccctc cttcttagga 60  
 agaattcgcc ctggaattga agtcaaaggt gcctacctca caaagaatca agtcagtaac 120  
 atttaaagtg gcgctcactc cctcaacgag agggtaagcg atcttatat 169

<210> 8214  
 <211> 325  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8214

agcttatata cccctgtcta atgattatga agtaagttct aacttttacc atgcaagaaa 60  
 aacaaaagaa cataattaa actgggttgc ctccaagaa gcacttcttt aacgtcatta 120  
 gcttgacgct tttaacctca cgggtgatat ccaccttgc ctttaacttc aggacctcct 180  
 taccacctc catcacttgc aagcagacat tctgatctaa cataggcttg tcttcttcaa 240  
 atagatcaaa attgatcttc tgatcttcaa aaccatttc caatgtcttt ctctctatgt 300  
 caactacaca gctngtagtt aacat 325

<210> 8215  
 <211> 445

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8215

tggtttgtga gttgattnta gccttagttt cacttggtta ttatcaactc atttaaagga 60  
 aactttcaaa gtaaaatgtc taattgattt ttttattatt ttattattat tttttcaaag 120  
 atattttgat tattttatca ttattttaca gttttttgat ttaactgagg ttacagtaca 180  
 aacgatcggg tggattttat ttttaacagt attaaacgag attgcaacac aaatgatcgg 240  
 ttgaaattca ttttatcaat tattaacaa gagaacggct taaataaatg gttgaaagct 300  
 tgtaaaagcg gaagaaaaga atactggaag taaacgagat gaagaatgaa agcgaacaaa 360  
 agaagaatga attgaaagct tcagattcaa aaacttaccg gtcgaagacc gaagaacgaa 420  
 cgaagaacgg cgaagaatct tcacg 445

<210> 8216  
 <211> 435  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8216

agcttgcctt gccccttgat atatttaagg gactcatgga cactatgaat gaaaaattcc 60  
 ttgggataaa ggtagtggtg tcatgtattc aaagcccgcga ctaaggcata caactcctta 120  
 tcataagttg aatagttaag ggtacaacca cttatctttt cactaaaata agcaattgga 180  
 tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240  
 atagattttt gaaagtttgg caacgcacgt atgggggcat tacttagctt ttgcttaaga 300  
 acattgaaag cttcttcttg tttctctccc cattcgaaac caacatttct cttgagcact 360  
 tcatttagag gtgctgcaa tgtgctataa ttcttcacaa atcggtataa aaacttgctn 420  
 accatgaaac tctca 435

<210> 8217  
 <211> 400  
 <212> DNA  
 <213> Glycine max  
 <400> 8217

tggctcaatc ttcattccttt tctttaaaat tacagttaag tcaaggaatt ataaacaatc 60  
 ttagtcaaaa tttcctatta attgaacctt tattatacaa ctatcatcga tttttcagaa 120  
 actgatgtta aacataattg gttaacatcg gctttttacaa aaaatcaatc ctaaccaact 180  
 catgttaaca ttgaattttg gaaaaattaa ccgcgtattg gcttatttat aataattttt 240  
 acgctttatc caattcactc atctccctca tgcttcgtct tcttcacgct tctggcaacc 300  
 tcgaaccctt tgtcactctc aaactcactc tcgcggcgct gaaaccacta tcactactgt 360  
 cgctcatgat catctaggtc ttagtggtcac ttctcgctct 400

<210> 8218  
 <211> 316  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8218

agctttcttat cgaaggcaat tcttggtggt gaatctcctt cttccttggc ttattcccta 60  
 gtggatggtg cctccctctt cctcttctcc ttttccttcc gctgcttctc catgngaaa 120  
 aatcaccatt gaaggacctc attgaagctc aatgatccag cctccattga agctccacaa 180  
 gcaagcttcc atcacccttc ttcatctctc ttcttcatct ttctaaacct tcattcttta 240  
 atcctaactt gaacaccatt gtatcatctt cattttccat ccaaacacat tcaaactttg 300  
 aaccaaatac cttaca 316

<210> 8219  
 <211> 456  
 <212> DNA  
 <213> Glycine max  
 <400> 8219

cttgacttga gtcataaga gattataaat atgtgaccat ggcattgagtt tcaacaataa 60  
 ttatcatcat caatcatcta tctttcaatc ttctctcaac atcattcaat atctttcaat 120  
 tctttctaca gaattttctg attctttttc tcttcatctt tctaaaagtt ttttatcgac 180  
 actttttctt caagaaaaag ttctttgttc aaaaacttgt gttattcact tttttcattc 240  
 tctttttctt ttgccaaaag aacgaaggac taaccgctg aattcttttg tatctctctt 300

ctcccttttc caaaagaacg aaggactaac cgccctggaat tctttgtgtc tctctttccc 360  
 ctttcaaaag attcaaataga ctaaccgcct gagaattctt ttgattcttc ccttcccctt 420  
 aagtaaaaca tttcaaagga ctaaccacct gagata 456

<210> 8220  
 <211> 430  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8220

agctntatgn gatgtaaaga cctgcaactt ctctattgat catgctggag aaggaaatga 60  
 agtgcaacta agtgagctag atgagatccg tttacaagcc tatgagaatt ccaaattcta 120  
 caaggagaag accaagaagt tccatgaaaa cttgatagct aaaaaggact ntgtgggttg 180  
 acagaaagtt ttattgtata actctaggct cggactcaag agtggttaagt tgagggtcaaa 240  
 gtggattggg ccttttgtgg tggctaattgt ttttccttat ggtacagttg agatcaaaag 300  
 tgaatccaca tataagagtt ncaagggtcaa tggacaccgg ctgaaaccat tcctcataaa 360  
 tcccttctta ggggatgtag tgggtggagga gaccctctta cttcacccta cttctcttcc 420  
 gccatgactt 430

<210> 8221  
 <211> 478  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8221

acttagaaac taagcttanc atttttcttc tcagaagtca accaccactc gattcttcta 60  
 cgcaccgcat gatatgcgta agtcttgtgt ttggaaatca ttttgttcag gtccattgaa 120  
 aattcattta ctcaaattatt ttcaattatt caataacttg gcttggttcgc ttaacttatt 180  
 attgtcattt cacttacaac aggtttatct caaagatcat tgtcccttac cgcctatggc 240  
 attgatgtgg tcaagcaatt catatcctta ggcaaaacag tgtccaacta catacgtagg 300  
 tagaatgcag tagtacttaa gcctaataac aattaaaaca acgcatgtag acctaaaca 360  
 aactgaagc tgtaacattt atgtacctat atttacgatt agatttgtct tgatgtaaca 420

cgtcagtatt gaaacactaa tgaattgttg caagaacaaa tcgatgagct ggtccatt 478

<210> 8222  
 <211> 471  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8222

taagtcacct gcggcatgca agcttctcag aaaagtcaca accaacctga atcataaact 60  
 cttttatctg ttaaaatgag aacacacaca ttatttaaatt ttaaataaaa agcaaatagaa 120  
 tcacaaaata gtaactaata atttttcttt tgatatagaa agaantttta gctttgaaga 180  
 gatgcccatc ctaagcataa agtattataa gagcaaattgg ttactatca agtcaaagaa 240  
 ttgtagtacc acttaccat gtgatagctt ttagcctagt aaattcatta ggagaacttg 300  
 ccctctatac taggatttca gccatgagac cataatctac agacttcaag agtagcactg 360  
 ttcgagtaag aaaatgataa atgaacaaaa aactttgctt ttgtgtcaaa gtagtagttg 420  
 aaaatgaagc acaactccat taatcaatac aagcacagc taacacatat a 471

<210> 8223  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8223

ctaagctttg annataattt gcttcaatag ggatacacia ttttcatgtt gatgactatc 60  
 tacgaaaaga ccaaagctac aaccaatgtg ataaattaat taggtgatgg aaaaccctct 120  
 agtgcaccgg aatccccatg cacagtcaga gaaaaacctc aagtacaagg aattacttaa 180  
 attatgaaaa aaaaaccacc acaatatgaa aaaagtgtag cctaaagaaa aacaatgtaa 240  
 acaccaacta atgcctccta ccccttg 267

<210> 8224  
 <211> 419  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8224

atgagtcctc ctatatttca aaattcacta agtctccata ggagagacta gaacctggt 60  
 ctttagagtg agtagcacac ttctttacca atacatccac atgaccattt agatatttgg 120  
 tgcaaaatat agtattatta taagttttat gcgaaaataa ttcaaaattc aaactttatt 180  
 cttttttaat ttattatatt tntataatct tatatattgg cttttaaaat ataatatata 240  
 agattaaatt ctattgtcgc ataaattaga atatgtatag ttatataagc tttattttta 300  
 ttctatatat tatattttta taatcttatg gtattttatt acgctcatca aaactttatt 360  
 tagatagtaa agatatagta taacatttat cttaaactta taatttttat ataaaatat 419

<210> 8225  
 <211> 466  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8225

tccatcattt ggctatgcat ccaattcaaa tagcaaataa atataatata ataatacaaga 60  
 aaaaagaata aaattatttc ataatagaaa attcaatgca caatcgagac tcacttaaaa 120  
 tcacagtcac caccatcctt catgttcac atagaactcc atcatcaact caaactaaaa 180  
 gaaaaaagggt ttcaccaaatt ttaggaattt taaaaatcaa tagaaataaa aagtaaatta 240  
 acaatccatt gtgccattat atataatttg tggtaattc aaggattagt tagacttagt 300  
 aatatagtat aatgcataac cataacttaa aagaatgatg cctcagaagt ttaaaaaata 360  
 aataaaataa agaataatga tggtagattg aagatttttc cttaaattga gtttagctnt 420  
 gcaagaacat gaaagagcaa cttgtgtctc ctgctagtat gcaaat 466

<210> 8226  
 <211> 338  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8226

agcttatgaa caagaaagca aatataatga gcattatgat cttaacaaga ttctatctta 60  
 ttcattgagc aaaaggaact tatataccga ttgagaatag atgcagaaac taacacaaag 120  
 gcagttacca agtttggtac caatctatta aggttcaaaa tgaattcggc gggaaaggta 180

gttttctgtt agcttgcttc cctcgagctt agtggattca gatacgataa taataggctc 240  
 gggttccttg agacagctng attaagagcc ccccttaagc taggaataga tggtcatcat 300  
 ttccagcttg gaacatcatg aattgaatga agctggct 338

<210> 8227  
 <211> 433  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8227

gtcttgagat cccaacttac actgactcgt gatttanagc aattaatagt atattagata 60  
 agtgatgaat tcaggctcta tctgtntaa aaaactattn taaaataagt gatataattg 120  
 actctttaat gtaatattaa tatatttttt attaatatct ctaataaata ttgcttttagt 180  
 ttttaaactt aatattaata ttattttctt ttatcaatct aataagatta attttctaaa 240  
 attatcattc gattctatct atttattagt tctaattaat ctgtctaaaa taaaataaaa 300  
 cgacacttat ttgaaatga aaaaaagtaa tatagaatct atttaacaat aaatctaaat 360  
 taaataaatc ttatcctcaa agtcaatttt ttaaaggga aattaaatat tgtaacatat 420  
 agtaaaagca cta 433

<210> 8228  
 <211> 354  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8228

agcttataga gtagtagatc ataaatggaa taataattta aataggtgaa ttaatatatt 60  
 ttttaattgaa atagattaaa atagtacata tttattggaa tacacaaata atacataaaa 120  
 tttattaata aaaaaatcat tattttatta aaaaaaatat tttattgaaa atataaaatt 180  
 taaaaaagaa tgcattggac tattntaatc aacataaaaa ttttgaaaat gaaaaaattc 240  
 aatttctcta tgcaaaaaca aaattgtaaa aataaatttt ttttttctt caaacacaga 300  
 attttaaaaa aaattaaact ataaaatata aaaatttaaa tttttaaaatt tta 354

<210> 8229  
 <211> 454  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8229

ggtcgtaggc tactgggaaa ttccatacgt ttgcaccatt gtttattctc tcttgctgcc 60  
 ccaccactag ccgtagatcc tcatttaaaa cctttgaaga tgaacattaa aacacaccaa 120  
 ttaacagatg ttggagaaga caaagatgtc atttatttaa ggacaaaact tgcataatTT 180  
 gttttttcat gttcttgTTa ttagcttctc aaattaaatg atgacatgtg gattttcttt 240  
 tttgcaacat attgctatcc acataccata atttgagttg agaacttgat agtaaaagca 300  
 aaatgagaac atgatcacat ttgtaaagtt ttgtcttTTa tttaactact aataaataac 360  
 caatactaaa aattcaaatc atattgaatt atatgcagan atatgtttgg ntnttaagat 420  
 tatctgctgg cgttatgtat cctctgcaag tTTa 454

<210> 8230  
 <211> 447  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8230

agcttgtang aatatggngt acccattaca tgttgtacta ngtggcggtc gggcgatggt 60  
 gcacaacaag tttttcacat tcacaatgcg cgcataaacc caccatcccc tgttgcccac 120  
 ctccatctga gctcacgtac tcccacgtag cccatattct tcgttttctc aacaccgggt 180  
 tcccatcaat cctcccaagc ttccacaaca tccaagcgaa acaacattca aacagcacia 240  
 gctatcacag tcaagcaaaa cagagcaaag gcagaaaact ctgccaaaac accaaccaaa 300  
 ttatagcttt tctcacttaa agaccccagt aacaattcct tcgatccaat tcgttaaccg 360  
 ttggattgga ctccaaaatt tactggaagt ctatagtaca gaagcctaca ttgtgaccgt 420  
 tgggatctac taacaaacat ccataac 447

<210> 8231  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<400> 8231

ctttcgattc attctatgca cacatggtgg tccactttgt attttgtgta tttctattct 60  
tgtttcattc gctatgttat accccctctt gacgtgctta agccatttta ctttaagtcatt 120  
tcctcgctca acttaagaat aaaatatatt gtcaccggaa cgtttgaatt gtatgatccc 180  
gtaactccgg ttaaaatgaa tttcaaccgt tcggtcgtgc cgtagccacg ttggaaatct 240  
gaaagaggta aaaaaacata ttttcatcat aaaacatctt ttagcaaaat aaaacggaaa 300  
atcaatcgga cgttttctct ttgggatttc tcattcttaa tcgaattgat taaataacta 360  
aagtgaact aaggctaaaa tcaactcgcc tagtcaagct cgttcataat aataggctta 420  
tgaagtttgt cattcaattt ctactaagt aaaatgga 458

<210> 8232

<211> 444

<212> DNA

<213> Glycine max

<400> 8232

agcttccaca cacccttcgt ttctagaata gtggacttat tttaatatgt cgagatatat 60  
agcatatggt tttacaattt gtatttagtt tttattaagc aaaaaattac tcgagtaaaa 120  
cagaaaagtg cattcctctc tatataatag tagtactggt gcttgaaggt ggtgaaaaaa 180  
gatggaaatg ggagatttgg aatattaatt ggtgggggtat taagaagaat ggctgtggcg 240  
gagttgttgg gaatgcagat atagagggaa aaatgcagtg tccatgcttg agaataaat 300  
agcaatgaac aaaacaaaa tgatgcaact gtgagaggag tgagaggcca tgctgcttc 360  
aattgtaact tcaatttcaa ttttctgtag aggaattaag tgtgcatatt ccgatacgag 420  
tggtgcctt tatagacaat gaca 444

<210> 8233

<211> 460

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8233

ntagctggag ggggagtgtg ttataacagt cttnttagt gttgtcataa caccttcattg 60

gtatgcttga gtttgtttga actcagggtc tgcttcaaca tttgctaggg agaagcaatg 120  
 ataagtctag tcatagcagc tctaatacca tgcagcttaa gagaagaaac gataattctt 180  
 attgcattag ttagttcaag ttataaagta tgataaatag gaaaagttta ttagaaatct 240  
 gattacaatt canattaata tattaaaaca aaaaataagg gtaagagcag atgaatctga 300  
 ttatatcctt gcccagttta gtttgccaaa gaacacagtc atgaaggtat aagcttttcc 360  
 ttcttttgtt gctttattct tacaactcta tgcattaaat aagttgctta agtcatgaca 420  
 tgcagttta gtactatctc catgtctata tataaattag 460

<210> 8234  
 <211> 406  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8234

atcactntgg ctatgcatcc aatccaaata gcaaacaat atatattttt cgtctagaaa 60  
 aaagaataaa atcatttcat caaagaaaat tcaatgcaca atcgagactc atctaaaatc 120  
 acagtcatca ccacctcca tgttcatcat agaactccat catcaactca cactaaaaga 180  
 caaaaggttt caccaaattt aggaactcta aaaatcaaca gacataaaaa gcacattaac 240  
 aatccattgc gccattatat ataatccgtg gcaactcaag gatcagttac acttagcaac 300  
 atagaataat gcataaccat aacttaccag aatgatgcct cacaagtcta acaaacaat 360  
 caaatcaaga ataatgacgt gagagtgaag attttctctt aaagga 406

<210> 8235  
 <211> 306  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8235

agcttgtagg gttaaagtct cacgattgtc atgtgttgat gtaacatctt gccaaacaaa 60  
 gtcagggttag ccataactcg cctgtgcttt ttcttccatg ccataatatag caaagtcgtt 120  
 gatcctgtca agtatgatga gctggaaaat gaggccgaaa ttatactatg ccagttggag 180  
 atgtattttt cccctgctnt ctttgacatc atgattcact tgattatgga tctggtcaga 240

gaaatcaaat gttgtggtcc tgtttatctg tgggtggatgt acccggtga gcaatacatg 300  
aagatc 306

<210> 8236  
<211> 434  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8236

gctttctggc cnaattatat ttagtaattg caactacata aacttatact acagaatact 60  
gateccacctt caaaagtcga attgatgttg taagcaatta cattcccagt agaattctcg 120  
ttcaccacag cctacaagaa caatatatgg aatgtatagt gataggttga tgagattcat 180  
tcctttgaaa gaaattcaga ctgatcatag aatggcactc acattattnt gaataagttn 240  
tgctctctga gcanaattaa gtgtattcaa tgtttcagca gcgcagctga aaaagtga 300  
cggtcaaatt taaagagagg gtccagagac aagcttgcc tacaacctca ttgactcaga 360  
tctttatagt tgtaccagc acacttgtn gaccactgtg agaagtaa tctcatgctg 420  
agaaacagtc aaac 434

<210> 8237  
<211> 291  
<212> DNA  
<213> Glycine max

<400> 8237

agcttaacaa acttagaat caagtgtatc atgaattccg aaatatagg ggagtaaacg 60  
aatgcacatt ttatctatat acaattgttt gttgcttgct tgaatcttga tttcaggat 120  
tgtattgtca tcatcaaaaa gggggagatt gtagatgcaa ttggctttga tgttttgatg 180  
atgatcatga tgatgtgttg caattgatgc aaatgggctt ttttaagatta aaattcaaga 240  
caatacttca agattacaag tcataacatc aagatgatca ctagaatatt a 291

<210> 8238  
<211> 442  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 8238

ttgagccaaa atcctgactc accatanacc ttgacccatg gtgataatgc caatccttac 60  
cctcgggaagc aaaaaaaaaag aagagaagga aaattttcaa tcaaaggaaa aaggagaagg 120  
aaaattttcca atcaaaggaa aggaaattcc caatcaaaga gtgggagaaa gcaaaaagaa 180  
aagaaagaaa attcccaatc aaagaatggg agaaagaaaa aaagagaagt taaaaagaag 240  
aaagctcctg gtcaaagaaa ccagaagaaa tgtgccgaga ggtccttgga ctagacgata 300  
tctgaacaat acagaattgt caccaaatac acaaaagaaa gaaaaggaaa ccatgaccta 360  
aaagtgggtc tctccctttg attaccaacc aaaatcctgt gcgctagcga ctattttctgc 420  
ccgcactaaa caaaaacaga aa 442

<210> 8239

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8239

agcttttctc caagaaaagc agcnttttgaa gtctcttgat gtaataaacc caagagtgac 60  
aacttggtct ttcgctctct ggccatagaa ctctcagtc agtcctctat ttttcttgct 120  
agagactttg cttggctcta catgtaacaa tatctgtgag aggatccatt acacattaaa 180  
aaattcaaac taaatttgct ttcttttgata ctttaacaa aaataaataa ataaatatct 240  
gtgttcatat cagtgttctt gccatgactg aataagagga tagtttttat ccattactac 300  
agcaaaatac tccgttaaat cattaaatgt aaacagagtg tatntatattt gagaacaatt 360  
aatacacttc atctcatgta gatatatgtt caaatgaag gtagccagtg aaaaatccac 420  
tgctttaaat ctc 433

<210> 8240

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8240

ntacattact cctcatgctt ctcaccatgt ctaataaggg tttatttctt cgntctgcca 60

caccattctg atccggagaa ccaggcatag tgtattgggc aacaatccca tgttcttgaa 120  
gaaattttgc aaatgaacct ggtgcttgtc catcctctgt gtatctacca tagtactccc 180  
cacctctatc tgatctcagc atcttaattt gttttccaca ttgtttctca acttcagcct 240  
taaaaacttt aaaggcatct aaagcttcat tcttagaatg aagtaagtag agatacatat 300  
atcgtgaata atcatctata aaggttatga agtatttcgg actatttgca tccatgtctg 360  
gacaacatat gtctgtatgt atgatttcta ataaattaga actcctcttt gcaccttctt 420  
agacttgta gtttgcttac ccttaatgca atcta 455

<210> 8241  
<211> 294  
<212> DNA  
<213> Glycine max

<400> 8241  
agcttctttt ggaccttgaa caagcaatca acttctcttt cagaaccatg ctatgtgctc 60  
gcgactgggc cctttctttc ctccgcaact tgagttcatt attgctaccc cataaagctc 120  
cgcgaaattt gttccggcca tactcttcct tgcgagccct cttggtctct tgttcaaggg 180  
ctcttgcggt aattgcattc tcttcccgta acccgcgca ctcttccga acgtgtgtag 240  
cagccaactt gaactttctc ttggcgagtt ttgcctttcc taactcgctt ttga 294

<210> 8242  
<211> 452  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8242  
ggctngtggn gcttctatgg aggctggatc tttgagcttc aatgatgtcc tttaatggtg 60  
atttccacca tggagatgca gcggaagaca taggagaaga ggtgagagga ggcgccatcc 120  
actatggaat aagccatgga agaaggagct tcaccaccaa gatgagcctt ggataagaag 180  
cttgagagagg atgcttcaat ggaggaaaag aaagagggag ggaaagagag agggaggagc 240  
acgtaaattg aggaagaaaa agggagagaa gttgaacttt gagttgtgtc tcacaagact 300  
ctcattcatc anagttacaa caagtgttac acatgcttct atttatagac tangtagctt 360  
ccttaagaag ctntcttaag aaaactttct tgagaagctt ctttgagaaa acttccttga 420

gaagctagag cttagctaca cacacccatc ta

452

<210> 8243

<211> 346

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8243

agctnnggctg cattgtgcag agttataaca ttttgattnt tcaagttctt gtctgtcgac 60

ttgtcttgag ccttgcatgt tggtttcagg gaaaattaat tatgttcatt tgaaagcagt 120

agtataagat atggtctgaa agtttgaacc ctagatgaaa ttgcttgcat tatttctttg 180

tttgataaag ttttaataaaa ctattctcat agcttatttg tcagtcagtg cactttatgg 240

aaatgagagc aaaaaggatt gtgtttgatt tccccaacct gaaattcca caccactgaa 300

tgtggttcac aaccaccatt ccgtgatatt ttgcctcttt atctct 346

<210> 8244

<211> 53

<212> DNA

<213> Glycine max

<400> 8244

ggctgcagta ataacatacc actatcctga agaatatatc tcttggatat atc 53

<210> 8245

<211> 343

<212> DNA

<213> Glycine max

<400> 8245

agcttatctc acttttttct tattatcttc tcctagaagc tctggagaaa tttatccaag 60

catgccctta gtaattatct tgctggaggt ttgcttgcta tacttggcta tatttacttt 120

tcttttttaa atgtatgatg ataatactaa tcaatgttta cggatgacag gctcacacag 180

tgcttgagat gaactatact gagcagcaat taacagcagc tgctgtttct gatggattac 240

ggcctgtcct tgctgccgat gacttgggta taccgtcaag attattatca atgattaaaa 300

aatgctggga tgcagatcct aataacagac ctgcttttga tga 343

<210> 8246  
 <211> 433  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8246

cttcactaca tcaagaatca tcggggtgag tcttctttgt ggctctctta ctgggttagc 60  
 cncatcttct aaatttattc gatgcataca tgtggatggg ctaataccag gaatgtctgc 120  
 cacggtccag cctatagcct tcttatgctt cttgagaact gataacaact tctcctcttg 180  
 ctcatcaaca agggaggcag atataattac tggaaaactt ttgctatcat ccaagtaagc 240  
 atattctaca tttgatggca gaggcttcaa ttctggtgtg gatggctgga tagtggcaga 300  
 aagagatggg ttctcancct gtacctcata aagaaagtca gaggtattgt gtacttctga 360  
 cacatgcgta tttctatctg actctatana ttcaatctca agagggtaaa catcagcaga 420  
 catggtatca ata 433

<210> 8247  
 <211> 452  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8247

agctntgagg gtgcgtagcc caccatcttt tcatagtaga gtatcgataa tgtgtctacc 60  
 atcacgatca tcgtctccct ttttgacat gttctgtagt tgcacccat ccggaaccat 120  
 atcagaatag tactgatact gcctaacaaa ggcaaccatt aggtccttcc aagagtggac 180  
 tcgagaaggt ttcagggttag tgtaccaggt aacagctacc ccagtaagat tttcttggaa 240  
 ggaatgtatc ggcagttcct catcttttgc gcatgcccc atcttccgat aatacatctt 300  
 tagatggttc ttgngcaag tagtccccct gtacttgtca aagtcagca ccttgaactt 360  
 gtgaatgacc atgtttgggt attaagaaca actcttctag gttagcaaag gcataatctt 420  
 cacctccttc aatggcctg agcctttcct tt 452

<210> 8248  
 <211> 429  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8248

gcttgatttg atacacacat actgtaatcg attaccagag aagattntca gacaatattc 60  
tcaacagtca catcttttca ttgtgttctt aaatggccat caaaggctta tatatatgtg 120  
acatgagaca cgaatttgct aagttttttt cagaacaaaa aggtcttata ctcttaacaa 180  
gcaaaattgt tttatcctct tacaaattcc ttggccaaaa cactcgtgat tcaataagga 240  
attatttgag tgctcaaatt gttcaatcta tctctttcaa gagagatttc ttcttctctt 300  
cttctttatt ctgaagaggg attaagagac cgagggtctc ttgttgtaaa agaattctaa 360  
acacaaagga aggattgtcc ttgtgtgttt agaacttgta aaaggaatct acaagatagt 420  
ggaactctc 429

<210> 8249

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8249

agctntaacc tcatcgtctc tcacagtctt tagatttggg atccaatcca atccttgtgt 60  
tcggactctc agccacttat gatagccgcc gatgatccca ttactgcttc ccctaagctc 120  
tctgtccttt cttcacgccg catcccatgc cttgcgaact ccttggagta ccttcagggt 180  
gtggtcactg aaaccccgty cgatgaaagg cgtgatgctt tcgtctgatg gcaactctct 240  
catggggtag ccaagctgtc ttatggcgag gacgggatta taattaatac aaccccttgt 300  
tcccatcaag agaacatttg gacatccttc gcatgaagat agaactctga ttc 353

<210> 8250

<211> 366

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8250

cttagcactt ctgtatggtt tcagggtctt ccatcagctc tgattaatct gccatatact 60  
cagccggtat tacgcctcat gagctttctc atatccagct tactggattt agtttgggtg 120



ctgaattctt tatgtgtctc tttctctctt ttacaaaag aacagaggac taaccgctg 360  
aattcttttg tgcctcctt ctcccttgtc aaagaattca caacgacaca gtct 414

<210> 8253  
<211> 361  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8253

ttaagtcgcc tgcngctgca gctttggcaa ggaagaagaa gattataaat tttngcaaag 60  
ttctctcaac agtggctcta aagaattgtt aanaagttat tgaaatgcaa gtcaagggtct 120  
tgcttttata gactcttcat gtctgggtcaa gataaccatt ggaagagtta taaccttgag 180  
aaaaacctca aaaccattgg aagagttaca tctcttgatt nttattcaaa acttgtcact 240  
gacaatcgat taccaaaacc atgtaatcga ttacacagag cattttatga aaagatgtga 300  
ctcttcacaa ttgaatgtga atttcaacgt tcagatacac tggtgaccga ttaccaatac 360  
a 361

<210> 8254  
<211> 353  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8254

ctgcacaaga ctcttaatat ttgaagagta ttcttgcgga accttcaacc gatgaagaca 60  
ctaacaaaaa cttatattct tctttatgga caaagtatgg caagcccggg gcaagcaaatt 120  
tttggtgcca tcagaccctg gatgcaactg tgatcgaatc cacatatcag ctagatcttg 180  
atgggtattc aagccatcct tcgtcttgcc ttgaatgtta agaagcgtcc ccatcacact 240  
gtcacatata tttttctgca catgcataac atcaatacaa tgtctaacgt ctagatcata 300  
ccagtacgga agatcaaaga gnatggacct cttatttcat atgcaactct tac 353

<210> 8255  
<211> 331  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8255

cacaatagag atgtagcgaa agataaggag aagaggtgtc tcacaagttt cacattcatc 60  
aaagttatga caagtgtac acatgcttct atttatagcc taggtcacta actatatgag 120  
agctctcttg agaatcttct ttgagaagct tccttgagaa gctagagttt agctacacac 180  
ccctctaat agctaagctc accttctcga gacatttcct tgagaagctt ncttgagaag 240  
ctagagctta agtacacaca ccctcttaat agttaagctc acccccatgc gacaatacat 300  
gagaaatgct agctacacac atctccctaa t 331

<210> 8256  
<211> 420  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8256

agcttggaag gaaacaccac tgtcgttggt aattatggat ccatttgga aaataaaacc 60  
taatgtggag ttcacaactg tctgactgct tgtctctccc aagaatgcca tagttntttg 120  
taagacttgg gttgatactg aaacttgtgc tttcttaciaa ggtaggttg tgccatatat 180  
atagatgagt tctaataatta gtgctgcatt ttttaaagat tgaaaatacg catgcacatg 240  
ctttctgtat gtgttgtcaa ctacacgaat gacatgacat gcttttagctt cctgacaccc 300  
ccatcggtgt atctacaaaa agggaaaaaa agattattta ctcatacat cacttctctg 360  
anaactattg aggttaacc attcaatctc attgatccat cttgtaatgt tatcaacata 420

<210> 8257  
<211> 326  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8257

gctactntat gctttcagca nagcaacttt acaaacttaa tcgctcggat gcttatatta 60  
tcctgaccag tggtactatt ntaatatatg gcataatagg aataatgaga agggctctctg 120  
aaagatattn tatatacaga tgtcctacaa tcttccctaa caaactcatc cactcaatct 180

catattatgc aggagtacct caatgtgtgt ccattataaa atatgacggc ttatactgtc 240  
 attcttggta atgaatagat atgggtctac gatcaaccat acgatgacac tgatctccac 300  
 atctacattg gatatcatat aatga 326

<210> 8258  
 <211> 393  
 <212> DNA  
 <213> Glycine max

<400> 8258

agcttatccg gcctctcatc aggagagcct tcattaagaa atactgcatg cccaggcagg 60  
 cacaggagca gctagctaca gatgcaccgt caccgcctct acaggagaca ccatccctgg 120  
 ggtctatctc tgcccacttg cagagggttag aactccagat gcaaatac atgcaacatg 180  
 tgactagcca gaaggcgact aatatcaagg gccagggtgca gctaaacgag actttctacc 240  
 agtacattat gcaccagcag ggccaggacc ccagtccttt cccttggcct acccccgagc 300  
 agtttgggtgc cacagtggcc ttgcctagag atgagcccaa ctttgagaca ggggcaagac 360  
 ctataggggc ccctagggac gacagaggag ctt 393

<210> 8259  
 <211> 408  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8259

ctgggtgaata tgtccacgag ttgcatggag gatgagacag gatggagctc tacgagaccc 60  
 gcgggtgactn tgtggcggat aatatggcaa tcgatctcga tatgcttagt gcgttcatgg 120  
 aaaacgggat ttgttgctat ctgaattgca gactggttgt cacaatacaa ggtggctggc 180  
 tgaatgaatg ctacaccaat gtcttggaga atatatgtta gccattgcag ctcacaggta 240  
 gtagatgcga gagcttgata ctgcacttcg gaggagctgc gggagacagc ggactgcttc 300  
 ttgactgcc accaaatgag tgaagaaccc agatagacaa ggaaccctgt agtggatgtt 360  
 tgagaatctt tacatccgc ccaatctgaa tcaactgaaag ctggaagt 408

<210> 8260  
 <211> 435

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8260

agcttgatc agccatggcc tacagttaat gtcaatccag ccactgggag aggatcaacc 60  
cctcataaag agaagtttca tagttatctg ggagttgtag cacgagagaa aattcctatt 120  
gtccactcca attggaatgt tgtaccagaa actttaaaga atcttatatg ggatgacatt 180  
tttgtaagtc cttattttaag ttgacatttg tatatgattt catataataa ttgcaaaaat 240  
attatatttg actaattggt actgaacaat tttgttttgg agggcaaatt tgacatcccc 300  
gaggggtggca atgcgaacaa gaagggtgatg tcaatggtcg ctactcgatg agggcaattt 360  
aagtccttcc tgacaacaaa atatgtttat gctaatagtc anggtcaagc anaagatgat 420  
ccttctatta agtat 435

<210> 8261  
<211> 411  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8261

tattcctttc tcatgataag ggatattcta tattacttgg ttgatatgga ccaaccttga 60  
gataaacacg tcgtatttca tctctttgat caaaaggaaa ctccacatc attgaacgca 120  
atccaggatc ttgctctata ttaataacat ccatatcttc tacttcaatt cttctacatt 180  
ttaaagggtg tacttcatca aattaaatta acaatcttgt gtgacatttg aagcttgtgg 240  
aatacgaata agctgagatg aatcaataat attattgttg tctttcttct ttaagaatga 300  
acaaagagtt ttttgagttg acatcttcaa caatacacct gtagtatatt tcttttacia 360  
acaaataaac atacaaaata aaagtaanat aataatatat taagttaaga t 411

<210> 8262  
<211> 556  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8262



gctggggtttc tacaacacat ataagaggcc aatttccttc cattcaagtg tgtaattga 240  
 accacaaggt tcacaactag tgcctctctt tcttcatacc tgtaatgcga gattntccat 300  
 ctttcattgt cttatcatca cagggttaact gaactcgctg tgatttcac ttaattgatt 360  
 taaccaacga tgataattca tatatatctt tcgttgactt cagagcatct aatc 414

<210> 8265  
 <211> 126  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8265

agcttctata taagctgaac catnttatca atattcacat gttgagtttt actcagaaac 60  
 acagagttaa tctctgtatt tttaggagag tgatactcct acattcttta ttgattctag 120  
 aacacc 126

<210> 8266  
 <211> 409  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8266

actcctacat ctcatctgta gcatgcattt tctttcttta cccactcctc acgnttggtt 60  
 ttttatggaa aaacaccata actaaacgcg ccgcaaggga tccctatcgc accagatcca 120  
 aatctagaac gatgggtgat caagaggaga cacaggaaca gatgaaagcc gacatgtcag 180  
 ctctgaaaga acaaatggcc tccatgatgg aggccatgtt atgtatgaag canatcatgg 240  
 agaagaacgc ggnaccgccc gccgctgtca gttcggtgc cgaagcagac ccgactctct 300  
 tggaactacg caccagcctc tctcanacat agtaggacgg ggaagggaca cactgnggca 360  
 cgatggcagt cctcacctgg gatacaaccg agcggcttac ccttatgga 409

<210> 8267  
 <211> 402  
 <212> DNA  
 <213> Glycine max  
 <400> 8267



gggggtgatg gaaatattct tgggtgtagt gatcgtgaaa gatggttgtg agattgatca 240  
 tggcaatacc ttcttgaact aaccagtgtt acttatcatg ggttaccaa caactgacgt 300  
 tgatcatgat gacatggtga catttgtacc taacttgtag taattaacga gagttacaaa 360  
 acatgtgcta taattgtaat gaacggaaag gaatttttct ttttcaacaa attgcaata 419

<210> 8270  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<400> 8270

gtatatcgat cttgataatc ctttggccaa ggaattaatg gaagtctatg agtccatggg 60  
 cgacacatta tcctttcaat atgggggctc tgcattgacac catagggtaa tctctctacc 120  
 ttctggagtt gggactttat ggattatgaa atgtcatttg ggatcagaat ttctacacat 180  
 aattattata ttttaagatat gcatgagttt atcttaagct taacattgaa tacagaatga 240  
 catcagttaa tctaaatctg acagcttatt gcttctatta cgatgtctcg aaatccaata 300  
 tatatatgcc attttattgt attgccaatc ttctgcactc cgcttaattt gttgaggctt 360  
 ggatactata tggatgcctt attacatcac atgattcttg tctaactagg tcctatactt 420  
 ttacaatcat aact 434

<210> 8271  
 <211> 400  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8271

agcttatgct gcanacattt acaatagacc tctcaacct tatcagcaaa atcaaccaca 60  
 gcagaacaat tatgacctct ccagcaacag atacaacctt ggatggagga atcacctaa 120  
 tctcagatgg tctagccctc aacaacaaca acatcagcct gctccttctt tccaaaatgt 180  
 tgctggccca agcagaccat acattcctcc accaatccaa caatagcaac agccccagaa 240  
 acagccaaca gttgaggccc ctccacaacc ttcctcgaa gaacttgtga ggcaaatgac 300  
 tatgcagaac atgcagtttc aacaagagac cagagcttcc attcagagct taactaatca 360  
 gatgggacan atagctacac aatngaata acaacagtcc 400

<210>	8272
<211>	446
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      8272
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gtccttaac	tgacaaaggc	tcttaatat	ngaagagtat	acttgtggaa	ctcttaccgc	60
atgaagacac	tgacaaaaac	ttatcttctc	ctttntggac	aaagtatggc	aggctgnggg	120
caagtaaatt	ntcttcccat	cagaccttgg	atgcaactgt	gatcgtatgc	ccatatcagc	180
tagatcttga	cgggtattca	agccatcctt	cgtcttgcc	tgaatgttaa	ggagcgtccc	240
aatcacactg	tcacaaacat	ttttctccac	atgaataaag	agtttagtcc	ncattgagca	300
tttcaagaag	agcatggagg	gagtgtgtca	caattcggtg	aagcagaagc	cctttcttgg	360
acaataaaga	gtggaatacc	canngtagtg	gtcttgacta	tggcaatgac	ttcgtgcaat	420
gtctggagac	aaacaacaaa	gttcta				446

<210>	8273
<211>	357
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      8273
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agcttctata	taagctgaac	catcttatca	atttagacaa	gttgagtttt	atgcagagaa	60
ttagagttta	tctcttttat	cttagtgaga	gcgattcttc	taaattcttg	agtgattcaa	120
gaacaccttg	gctgtatcaa	aggactttca	caacctttgt	gtgttgccct	tgctggaaag	180
agtgaatctt	tccttccttt	catcatcacc	cttgttcttt	canaccacaa	ttccagaaaa	240
tccacctctg	cccagaatta	tctcgtggcc	ataactccca	ttttacgcac	tcaaattaag	300
tgattcttga	gcctaaattg	aatntcagaa	cgagaccttt	cacctgcgtt	tggaatc	357

<210>	8274
<211>	440
<212>	DNA
<213>	Glycine max

<223>        unsure at all n locations

<400> 8274

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caagtttact agcgatttct aattatgtgg gtcattaagt ctatcatatg ctgacaatag 120  
ctgagaagcc cgtgaatttc ttcgggggCG gagtaggtgt ctgccatcga cttggccttg 180  
gctaacaatc ggagaaaggc tagactcctg ttcacggcaa gagcaaaccg atccatccac 240  
atggatgcct cttgggtgtac agagtcgac acccttcctc tagcctcttt ctccgcgtat 300  
acttgtgcac actcgtccgc caccctatgc tCGtgggCG tggctagacc taacacctct 360  
tggtactcgg tgatgatagc tagcatgttg gtctctgtct accataaacg ctgagacaag 420  
cgtctcttg accttgaaca 440

<210> 8275

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8275

agcttctcat tntccaccac aagtttatca atgatttgtc gctgtttcat aacatagatc 60  
cataataata attaataagg ctgataattg aagtgaccga accattcaaa aagttcaaaa 120  
aaaagtacac tctgtttac taaggttgag aataggtcat catttacaaa atcaattatg 180  
atatgacacg ttggctacaa aatcaacagt aatcagacaa aatgaaaaat tatataccgt 240  
ctgaagtagt ttgttctctg gctgcatgag tccagcctac aatatatctt tgaatcagat 300  
tttcatataa tatttgatta actcgggaaa aactctcaa aagagaaaat gagggaaaaa 360  
tgtaaaanac gaattattcta tcatccacat tcatctgat tgaaaaatga agatgattta 420

<210> 8276

<211> 342

<212> DNA

<213> Glycine max

<400> 8276

taaggaagca gctccattga tatcatttaa tttatgcaat gcttaagccc gaataagaga 60  
acttgtatca caggaaaaga tctaatacaa gtcgaattag ggatcatact gattgtggtg 120  
gtaaaactgg cttgaagtag ccatctgggt aatatccaaa ccacgaagtt tcctttggta 180

ttaaaacagt gtcgtgctca aactgttaat gtataaaata agattacaaa tatataagct 240  
 tttctcatga aatcaattag caatattcta ttcataatat cacacaaata cattcagagg 300  
 acttaccatg ataagtacca aattctgcta gctactaaat ct 342

<210> 8277  
 <211> 399  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8277

agctntctac actgccagtt aacaatgtat gatctctacc ttagtttggt gctcttctta 60  
 gtaagttctt aatcagtgcg gtggcattgt ccgaaggttc ttatcaaatt attgggtcat 120  
 tttgtccact tggctaacca tataaaagta tcaataagaa ttgtaatgtg gggtttcatt 180  
 ttgttggtggc tgtggattgt gctttacttg gttttcaagc ttgacgagag ttacacgccg 240  
 agcaaagttt ccatccatgc cggatgatgg tttcacaact tgaaggtaaa tttttacttt 300  
 attggcttgg tgtcgacttt gggaacattt ttatgagatt aagaccatgg aactcgtgaa 360  
 gccaaactggg tgggtttatg tacccttgta tggagctga 399

<210> 8278  
 <211> 371  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8278

attctaacct cgaaattcaa gaaaacactt tgatntatta tgttnntggg ataaaaatgg 60  
 tcattgacca atccctattc tatgacttga cccaattatc tagtgaagggt gtaccatttg 120  
 aaggtagact gaatgatgat tggaaatttg attactttgc gcatgatgcc cgccagttgg 180  
 ttttcaccaa ctaagcggat atgaccggaa ggctttttgc cggatcattg gctcttgaaa 240  
 gccgtatcct tcactatctt attgtgcgta ttntacttnc aagatcttca nacattgcac 300  
 aagtttctaa agaagatctt attgtcatgt gggctttcat actggccaac acattgatgg 360  
 ggcacactta g 371

<210> 8279  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<400> 8279

agctttctcat agaagcttct caaggatgtt tctcatgata gctttctcaag gaagcttctc 60  
 aaagaagctt ctcaaggaag tttctcacgg aagcttccta ggctataaat agaagcatgt 120  
 gtaacacttg ttgtaacttt gatgaatgag agtcttgtga gacacaactc aaagttcaac 180  
 ttctctccct ttcttcttcc ttcaatttcg gtctcccccc tctctcttcc tataacctatt 240  
 tcttttcttc cattgaagca tactctccaa acttattatc caagacattc tcttgatggc 300  
 gaagctcctt cttccatggc ttattcccta gtggatggca gctccctca cctcttcttc 360  
 tttatcttcc gctgcatctt catggaggga aatcaccatt g 401

<210> 8280  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<400> 8280

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 ggtgtctgca atcatcattc acttggacga tatttctagt tcaatcaaag agggtcacta 120  
 gtcacaacag caataatctc tcaacacaaa catcaagata aaaaacagga taatgcataa 180  
 caattttaag ataaaagctt gtcataaact ggatgatcca ctaatccaat tgacagacaa 240  
 ttataaatgg atcattcttt cttctttttac tggaggagct tcggaataga ttgactctct 300  
 ctacgaccca tcttattgac gggaattatc actacgttag cggctcactc ggttactcga 360  
 gaatccaaat tattctatct cctgactgta gcaatgcata gcggtcaata ggaacatttt 420  
 cttctc 426

<210> 8281  
 <211> 442  
 <212> DNA  
 <213> Glycine max

<400> 8281

agcttgagac ccattcttcaa gaaatatata agactcaaca caaggacatg agttcaaagt 60

aaatagggtt agtaacagta ccacctatgt ttcatacaaa caacagagcg agagtagatt 120  
 tcacttcatg gataactacc ctgacctcat cattggaaat tacactgatg gaaacttggt 180  
 atgaccttta atggcttcta aacttcgact aacttagctt gggttggtgt ttgttaatgc 240  
 tactatgggc ataacagtat aaacacacta caaatagcta gggtgttttg gtgttggcag 300  
 ttctctaaat gcaactcaat gttgtgtaat agagttaggg ctgtcgacat tacctatttc 360  
 acgacctgag ttaggggttg aggtagagac tgtagctatg ggccgcttcg ctgcgcctga 420  
 ctttgacgga cacaatatgc ac 442

<210> 8282  
 <211> 388  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8282

taagttcatg actgcacaat gaaatgcatg gaaattgacc tgtacgtagt ccagattcct 60  
 cttccacccat ttgatataatt gattntggta tggacatatt tcttctcaaa tagagttttc 120  
 gcaatgagaa aaatgacttt caatgttggt taatgtgcct aataaactat gttgcaaaaa 180  
 ttaaattata atcactctta aaaataaaaa gaggacacgc taaaagaaaa taaatttaaa 240  
 tnctaaaaaa gccaaagaaa taataattaa acatacccat aatttcttca tagttgaaaa 300  
 tataattaaa gaacagtgat gagaatgatt taaaataaag tataaatggt cacttattaa 360  
 atngaatttg gaagtaagtg ataaatat 388

<210> 8283  
 <211> 312  
 <212> DNA  
 <213> Glycine max  
 <400> 8283

tgatgagaac ttcattgcat ttctcggtta cgttttgcc aactcaggt ggctagatga 60  
 cgaagaatta tcttgacaaa ggacatgttt taaccagtg ctcatctggt gtcattggc 120  
 atcacatgct acattgctac tatggattgt gctaataata gtgggcaaca tattgtactg 180  
 tccatacata atatcaaagt gacgccttga tgagtaagac aagctccttt ttcaaatctg 240

agtgcttcgc cttagtcatg gagaagggtgc agtgtattta tacagtcctt atacatgtac 300  
acgatctatg at 312

<210> 8284  
<211> 381  
<212> DNA  
<213> Glycine max

<400> 8284

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tcttgccctt ttttcattca tgttttatat cctcataact ctaattctta ttcaaacaca 120  
caattctatg aataaaagaa tcttaattaa tgtatttgaa agtcttaaaa tttaaaatgt 180  
ctcaacattt tagatttctc catccaaaca cactctaaag gaataaaata aaagaagaaa 240  
agttgaatta cattcatgaa gaaaatcatt atctccaatt tctttttatt tatctatacg 300  
ttgtttaatg gaaaccacat actacaatca atcttcttaa ttgtaataaa atacctatac 360  
aatttctatt ccttgccctt c 381

<210> 8285  
<211> 364  
<212> DNA  
<213> Glycine max

<400> 8285

agcttaaaac aataaacatg tccttctttt aattgtcttt gggctgggcg accacgagca 60  
ataaagtact tttggcacct acaatatggt gacttcgcca acgctgatat tggaatgctg 120  
cgacaatctt tcaacaactt attcacacat tgtgataagc tgggttggcat gtgaccatat 180  
cgccgtccag atgcatcgta agccatgctc cattattcct gtgagattcg tcaatccatc 240  
ttgctatagc tggactcaat tgacgaaatt tttctaagtt ttgatcaaac acatgcttgc 300  
aaggagtgtg cgctgcatca aatgtgttat catcaacagc tgtacgtata catgaaactc 360  
aaat 364

<210> 8286  
<211> 146  
<212> DNA  
<213> Glycine max

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<210> 8287

<212> DNA

<213> Glycine max

<223>        unsure at all n locations

<400>	8287
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agcttgcaatt	tggaattgca	aaagccccac	tctatcatta	tgattagtac	ctgacatctc	60
anacaaacaa	atcaaacgta	acaagacaat	tatagttggt	gtttgaatac	ctcaccact	120
caagtgtatc	acacaattat	ggcttttctc	taatgaaaca	ctcttgccct	ttaccactct	180
aattccccct	gagttcttag	gcaattcaag	agattatggc	cacaacaaag	aacaattcac	240
caatatgtgt	aaggtaaggc	tagagagaca	aggaaaaggt	taaccaagaa	aaaggctaac	300
aatgggtttta	ggcacaaatg	aaggaaataa	aattcagaat	ttaggaattc	aagtaacaat	360
ccttcattgca	accaatatat	taccttaaag	agattttttt	aaagtcttaa	gcatgaacca	420
tcagccaatt	ttttttttta					440

<210> 8288

<211> 457

<212> DNA

<213> Glycine max

<400> 8288

acatgcctca	tgacacctaa	gcacacttag	tggagaatct	tgaactcgat	attggattag	60
tgggctgaac	catatatgaa	attcactaat	cataattagt	gaaatattgg	ctccacaaat	120
tcaatttcaa	attcaagtga	aatttgaatt	gaaattcaaa	tttccctcca	attttgtgtg	180
acacttaggc	tataaataga	ggctatgtgt	gtgcattttt	ccaactttga	tcatttaaaa	240
attaaaattc	aaattttata	gctctcttat	agtacaaaat	ttcgtgcttt	tctcttgctc	300
tcacttcatt	catctgcttc	ttcctccaag	ctcttatcca	ttggcctcta	tggtgggtgag	360
cttcttctac	gctcatcttc	tccttgaagt	ggcgtctcct	ctctctcttc	cttctccatt	420

ccactggcat tcattctcca agaagcaaag gaatcca

457

<210> 8289  
<211> 475  
<212> DNA  
<213> Glycine max

<400> 8289

agcttagcta cacacaccca tctaaaaact gatctcacct tcttgagaag cttacttgag 60  
aagctagagc ttagctacac acaccctgt aataactaag ctcacctgct taggaagaga 120  
agctagagct tagctacaca cccctataat agctaagctc acccccatga caaaatacat 180  
gaaaatacaa aaaaatccta ctacaaagac tactcaaat gccctgaaat acaaggctaa 240  
aacctatac tgtagaatg gccaaaatac aatgcccaa agaagaaaac aaaacctatt 300  
ctaattatta caaagaagag tggaccaaac cttgacccat gggctcaaaa atctacccta 360  
agggtcatta gaaccctaag gccttcttta tcagctctag cccaatcctc taggagcctc 420  
ttgctcatgg ctctggtaac tggctctttt ctaggaggga tagcatcaca ttatg 475

<210> 8290  
<211> 363  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8290

ctgagaggaa cgaggattat ggctacgtgt tggtagtga gctcagttga aggtgggcaa 60  
ctggcgatgg tgggttcatg tttaatttgt ggatgtggga gagttgattt gcaccatcgc 120  
ccgatcgcca cctattacca catatgacgg gtaccctata atcctaccag cttgaagtga 180  
gaaagtgtgg aagagtcaat ctgtctacct ttatttgatg actacagagt ggcacctgga 240  
gatatgtctc aggggtcagg ataccttgcg gacgttctgt ggagtgctat ttnccacaac 300  
caagcttgac caatcccgac ccaaccagg cataatcagt cagtgagaac ctgtgacata 360  
cct 363

<210> 8291  
<211> 466  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8291

agcttgtgcc ttttcacgtc tggaatatga atgtagcata tagatccaaa gacccttagg 60  
 tgctntgttg atggcttctt cccgatccaa gcttcaattg gagtcttgtc ttttacagac 120  
 ttagttggac atctgttgag tatgtaaaca gcagtgtaga ctgcttcagc ccagaatgtg 180  
 ttaggtagtc ctttctcctt gagcatcgat ctagccatct ccataactgt gcgattcttt 240  
 ctctcggaca ctccattntg ttgagaagaa tatgcgactg taagttgtcg ctcaatgcct 300  
 tcatectcac aaaatctttc aaactcgcga gaggtgtact ctctgctgcg ataacttctt 360  
 agtactttta tccgttttcc actttggatt tcagcaaggg ccttgacttt ttgaatactc 420  
 caaagacttc ttgattttct tttagaaaat atacccatgt cattct 466

<210> 8292

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8292

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 tgcttctatc tacaattatt ttacatgctt gtggcttgat caccatttg tatgtttagt 120  
 taggttcttt agtcttgga aatgctttaa aaccttataa cttgatagag catgctacaa 180  
 atctatttgt gtacgaatga aatacacgac tctactatat tttacattgt atgtttagta 240  
 caactctctt agaacgagtt tcgtgatgaa tcaagaacaa aaactaagag agttaggctc 300  
 gatcattcat gtgaagaatc atggctctgag tattgtctca gtgtacgaac actaggataa 360  
 tattaaat 368

<210> 8293

<211> 494

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8293

ggatcttaag caccgcggct gcagcttgtg ggtatctggg ccggatccct gaacttagat 60

taatgagtta agcttgtgaa catgtctcta ctacgcctta attaatttta nttatcgtga 120  
 ttgtacgtaa ggtgttgatt aatttattaa cgttttatat aaatttcatt agtgagataa 180  
 ttggtacttt nttataccaa catgttgcaa atggatattt tccaaatatt tactagcttt 240  
 tcaataagct taatttcttc tcttagactg ttgattgata gtaggtgaag tctatctttt 300  
 ttttttctcc tttgtgtaca agagcgagaa tgtttggtaa ttagatacct gaacgtggat 360  
 taatgagtta atcttgtgca tttgacaaat atttagtgtg aacatgtctc aactcttata 420  
 ctttaattga ttntattatc atngattngt aggggatgat caatttacat gttttatata 480  
 aatgtaatta ttga 494

<210> 8294  
 <211> 488  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8294

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 cattaaatta gaaaaatatc aggattaagt taaggattca taccacctta acgtctctat 120  
 ataaatgagc aagttcctag cctattaaac aaaccagcac ctaatttcac aaacaagaaa 180  
 aaacctacca attacgtgaa gtcagtgagt gatattcaag gagatgagtg gccaaaactc 240  
 ccatcaatca aacacctcan aacattattc cagttccctt caaaatcaca agcatggcaa 300  
 atctgtgatc cctagtgatg gtgatcacac atcattgcac aggttcatca gctctagtca 360  
 tcattntggg caatcgcgga acttcaacat cataagttat gaacaacaag tgtatcaagc 420  
 aattcagagt gcanaatata ctatcgaatg gatacaacgc ctacagtctt atgaacgagt 480  
 agtggatc 488

<210> 8295  
 <211> 444  
 <212> DNA  
 <213> Glycine max  
 <400> 8295

agcttctgaa ttgtcctcat ctctctgttg tcttatttat tcctctaagt aaaaaatgac 60

aatgaaaggg acagatacga tggaattcac gggaacatac aatttgatga cgggtggcata 120  
 tttgaaacgt aaatatgtaa ggcaaattat attcaagtcg cgtccaattt gtaagaatat 180  
 actggtttga gtaaaataat ttactaaaa ttactagt taaactttga ctgaatgcat 240  
 gctgacgcc aatctctgtgc atagtacaaa tgctacaata caacatatgc atccctcaca 300  
 gttgcagtgc aagtttaata caaactataa tgtgattatt gtataaatga acacaataga 360  
 atcgagtact taatcgacac aattaaagca acaagttcag aatattcaga tatcaggagt 420  
 tgcagaggag aatagaataa taca 444

<210> 8296  
 <211> 470  
 <212> DNA  
 <213> Glycine max

<400> 8296

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 gtgaagatgc tgatgtgttt taagagtata tgggaaacac caattccttc gaagatggct 120  
 gcttttgtaa ggagggttgt gcaggatacg atacacacaa aaaggaaactc gaggaggaga 180  
 aatatctaata tacagccagc agactatgtg tgtctctttt gcactctata ggaggaacct 240  
 atggagcatt tgatgttaag ctgtacattc tcatcaagca tctggaataa gtgctatgct 300  
 tggttggcga tacatactgc ccaacagata tcctacaatg cacctaaggc aacattcatg 360  
 tgggatcttt ggaaagaagt tggcggtgaa acggatgggtg gtatgggtgtg cagtgggtgtg 420  
 atctctatgg tcacagagaa atattctgct tttaacgatg gaacatggat 470

<210> 8297  
 <211> 440  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8297

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 tgtatcttga gctgttgaga agcatangcc actacttgtc cccactgcat aagcactcca 120  
 cccaaaccca tcttagatgc atcacagtac accacanagg gttcactcgg gtcaagtaac 180  
 actaaaactg gtgcagtggc caacctttcc ttaagggtac gaaaactact ctcacactgt 240

gcacccaca caaaagcttg acccttacga gtaagcttag tcaaaggtaa ggctagctta 300  
 gaaaaaccct ctatgaatct acggtagtat cctgctaaac caaggaaact cctaattctca 360  
 aacactgact taggactctc ccaactcatc accgcctcta ccttggaagg atctatngct 420  
 atccctcccc tggatataac 440

<210> 8298  
 <211> 290  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8298

aacagactgg cctcaaaatc ttatgctcac acatgcacag ttacataaaa cattgcaaac 60  
 agttgcttga gattaataaa aaagaacaga gattgcacga aaatcaattc gaattaattg 120  
 taagacatta taaatcactt acatcgaaac tnttgagatt gttcttccaa gacccacagg 180  
 agcaatgggg atcgatctct aacgcttggg ggtaagataa aagaatacaa ctcttgagat 240  
 tgtatgcgta atgggtgaaa ggttgaatta cttagtctgt ctctaaacta 290

<210> 8299  
 <211> 442  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8299

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 gttccaagta cttcggattt ggtccgacca tgcctcctg atttccagct gggaaattgg 120  
 cgagtggagg aacgccccgg catttacgca acgagcataa tgtaaacctt tacggtttta 180  
 aaagctctat agttgggctt aggctttaga gttttcattt tgtaaggct ttgtgtcttt 240  
 tggttttgaa tttataatac aaggatcttt cttcatctgt tccctggtctc taccattct 300  
 cattcatttg catgtttact tcttntctg aaacggcaga ttcgatgacg agtccccga 360  
 aggtactaat acctgtgacc cgtctatcaa cttcgagcaa gaaatgaacc acacggaaga 420  
 tgaaggagat gangatgtgg ga 442

<210> 8300  
 <211> 376  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8300  
  
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 atgcatgttg agcgggccat agtcgcgcta agcacgctag cacaacaaa gccacctatt 120  
 taagcctaac atcaaatttt ggagaggatt ttggccattt tctcaacgag cttctgcatg 180  
 tgagagattc tacagagaga acggtttgaa tccagagaat ttgagaggtn tgttgtgcga 240  
 agacctgcag agaactgaac ttgaagagaa agtcgtcctg agagcttgag atgagtttgt 300  
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 tcattnntct cttctc 376

<210> 8301  
 <211> 310  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8301  
  
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 ttgtgataaa tgtagagttg tcatgtcttc aaagcccgcga ctagagcata caactcctta 120  
 tcactaattg aatagataag ggtaggacca cttaactttc ttctaaaata agcaatggga 180  
 tggccttatt gcatcaacac agtcctaacc catcatttga agcatcacac tcaatctcaa 240  
 acgatttatg aaagggttggc gacgcaagta tgggggcatt agtcagcgtt tgcttaacat 300  
 agaaagcttc 310

<210> 8302  
 <211> 462  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8302  
  
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ntctgttcac tggttccttc agctgctect tttgcctact tatatgccaa gcttcacatt 120  
 gtccgcgttc tggattgccca tttttgctgc catcatatca catattcttt ggtgctgtta 180  
 tgggaacccg atgactgcta agttggcata atattttctg cattacacaa tttgctcaag 240  
 atacaatagt gggttatattc tctcaagcaa aattttggga ttcggcttac cacaatatct 300  
 gcattgtcct ggtagagcc acgcttacct ttactcacta ctacataaaa gagatttaac 360  
 aatggttatg attcaagttg tacacacaca taaaaaattg gtgtatatat aaacagaaga 420  
 aatatatgag atatgtttca ataaatttga agtattaata aa 462

<210> 8303  
 <211> 184  
 <212> DNA  
 <213> Glycine max

<400> 8303  
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 tgatgaatga aagtgttggtg agacaccact cagagttcaa cttctctacc ttgttcttac 120  
 ttgaatttcg tgcccacctc tctctttctc tcaactcttc ttttctcca ttgaagcatc 180  
 ctct 184

<210> 8304  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8304

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 gcttttgacc ttgacttgggt agaacctctt gccggtttga tttgttccca tgcttaccaa 120  
 agtgagacaa aagctggtgc aaatcaaaac tccgatatct catgggtggg gtggatgaat 180  
 gcatgaagga atgcctatga cacagatgca atctangaat gcggnngggtc cggggaattg 240  
 tctccttctt agacacaacg tctaggggta gcaaagtgcc ccaacgtatg tattttaaac 300  
 ggtgacctgc accctccgtt gatttgtcta tagaggggat caagacagaa cccatatgtg 360  
 atgcatatgc aaaagacgca atgcgggaat gtgcacagta tgacaatatt taccgaacat 420  
 aagcaaaagg gtatatgata ctcatg 446

[illegible]

agatgaggaa	gtgtagaagg	gtgacacttc	ctgctcttat	tctttgacca	cagagtggta	60
cctggagata	tgtcacggtg	gtcaagagac	cttcgggacg	tcaggtgggg	tgcttttgcc	120
caaaaccaag	cttgaccaat	cccgacccaa	cccgggcata	gtcagtcagt	gagaacctgt	180
gatgtacctt	agcaggcgag	ctgctaccag	tcaacacgat	ataaggaaca	cagaccacaa	240
accaaggagg	cttgtgtggt	ggctggccag	ctgtgaatta	tgattgatat	atgggatatg	300
gcctctggta	atcgattacc	aaggggtgggt	aatcgattac			340

<400> 8306

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tgtaaaaaata	cttccaaata	tatgcgtagg	catgtagatg	atatgcgtcc	atagttagta	120
gagatcaaac	atgcaactga	tgatgagtag	gggtgaaaat	aagttgaaaa	tttcttagag	180
acctaggggc	caacttattt	aagggtgaac	tcaacttggt	tgatctaaaa	caaaattaaa	240
ctcgaacttt	tttaaaaaatc	tttttaatta	aataggctag	atcataagtc	ataagataaa	300
tctataaggc	tcgatagatc	gaccttggtt	ataataatca	ttctaatatg	atatatcata	360
ttataatttc	ctttctaaag	c				381

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<223>      unsure at all n locations
<400>      8307
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cggcacgacg cgttgacanc cgttggtttg acgcctttga gtaccatcgt catctacgtg 60

acactatana	ctacgtaagc	ttgaggaata	tgacactgca	catgctgctc	tggaatgtggg	120
tgcattcttgt	atccacaccc	ccaatgcgtg	ctgctctgat	cacagaatgt	gatcatcnta	180
ctcgcaggca	aaccttattc	tctctagtg	cacgatgac	tctatttgat	gaagcttatg	240
tgccttttgg	atatactctt	tatgttgctg	aatgttctat	atgaccaatg	attgtatctt	300
gactgtctga	aagggaaaag	gtggagtaaa	gccgcttttg	gccttgatac	tgaaatgagc	360
ttgaccgaca	tattgtgttg	aacagaagag	tgctagtacc	cctctattat	agaggaaaag	420
gccacaccac	acgattgttc	tctctacgac	tgtcaccatc	acgatgatgt	tctagagaag	480
gcaccagtat	cagggctaaa	gctacattac	gtcacacctg	gtctactcta	ctgcagtgcc	540
tatcattact	tgactatata	atataattga	cgaccgctac	tgccgctgcn		590

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<210>      8308
<211>      421
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8308
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 aacacatgca taaagttggg caacaaggaa aagaaaacac aatccgcaa aggcgagtga 180  
 agaaaaaaaa gagacaaaga tctccagatn ttacaagaaa cgcacacaag tgcaacgaaa 240  
 gactaatgta taagacaaaa ggagtagagc ccaacccaag agttgaaagg aacaaaagta 300  
 ctatcaagcc tctgaagggt cttactcaat ataaccctca cacactctnt gagccctctc 360  
 taatctttct ttcatagccc ntcttaccce tgaccacatt acaaaccxaa taaagcccat 420  
 gtggat 426

<210> 8310  
 <211> 419  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8310

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 gttctgcttg ttgtatggga aagattcata gatttccttc taagttttct canaccgtgt 120  
 ataattctcc tttggaatta atatacagtg atctgtgggg cctgtctct atgaattctc 180  
 attgccaatt cagatattat atgtcctttg tagatgctta tttgtgggtt acttggatat 240  
 attttttaaa gaataagtct gatgccttgt ctgtttttta acagttcaaa tctcttcttt 300  
 tctgtcagaa ttggggattg ttcataggct gacttgtcca cttacacatc accagaatgg 360  
 tatagtggaa agaaagcatc gtcacatagt tgaattaggt ctttctcttc ttagtcatg 419

<210> 8311  
 <211> 405  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8311

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 tggagtactg tatgagtttc tcaactcgtg ctagttagtt ctttgcaaag aaatagttct 180  
 ctaccgcana agtangtcca ttgcaataaa aagtaatatt attatattaa gttaaagtaa 240



taaggagcga acaccganag accatatcga cctatctata tatatatatg aatcttctcc 480  
acattatatt ttgcgttcct atggt 505

<210> 8314  
<211> 429  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8314

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cactggtaat cgattaccaa aacattgtaa tcgattacag ctctttgaaa ttaattggaa 120  
cggttgtaaat tcaatttgaa aactttttca aaacaatttt gctactggta atcgattaca 180  
gaaatctggg aatcgattac cagagagtaa atactcattg gtaaacaatgt tttgagaaaa 240  
atcatgtgct actcaatttt tgagaaaaac ttttcatact tatctcgatt aagccttctc 300  
ttgattctcg aatcttgagt cttaaaccct gatcttgatt cttgagatct taaaccttga 360  
atcttgactc ttgactctta actttcttct tgagtcttga attcttcttg agtctatctt 420  
gaactcttg 429

<210> 8315  
<211> 491  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8315

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taggccttgc attctgtcat ttgtttatga tttgctgatt atatttatca agaacgtacg 120  
agatttgcatt tgttatccat gatatttcta tttcattatt tttctttata gatttttaatt 180  
atgatattta ataatacatc ttacttggct acatgctcac agtggtataa tattctatat 240  
gcagtgttnt tttgatacac cagggctcat gttgaattgc ggtggatttc cttatangga 300  
tgtcaagggtc cgtgttgaaa gtgcttggag ttcagtcaat ctctatgaag tgctcatagt 360  
catttctgac gttcatagac atattaccag gtcanagggt tatttattaa atggatgagt 420  
agtcctatac tcgtgtttac cctatttctt ctatatatag acttggtcga taacttctta 480

taagactata g

491

<210> 8316  
<211> 442  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8316

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aaagatgaac tagagcctac gtgacatctg ctacactcta gtggcaacat gaactttgtc 120  
acataataacc aagatttggt aagctcagct ctatttggtg gatggacgaa acttatagag 180  
ttctatgggc tcactagaaa tcattatgtc gccttgaccc actatggata gagtgttttc 240  
ctcctcacca tcttcaaaaag cagctttgaa ccaaaagttt ttcttaaagtg gcctccttgt 300  
accaccaagt tcctaactca gtcactttta aagtctact cactgagtac aaagtgactt 360  
gcatcagtnr ggtgagtaat taagcactcc tatntgtatg tcaaaatttg atatcatata 420  
attatctaata ataaattttct tt 442

<210> 8317  
<211> 404  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8317

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aagccaaaat tcaggtatgt attattcaac gaaaatagag tttctgtgta ggccactctt 120  
ttgtttttta tgtgtgattc ttgactgtgc ggcaaaaatt gaagttgcag actgtttttt 180  
agaaacttgt gtctaaaatt ttagttgata attcacgtcg gttattactc tgttactcgt 240  
tgcaattgag gtagttttaca tgcaaacaaa tgaatgtggt gatatagtga tgtttctttt 300  
aaaacctaata gaaatggaaa tntattggca tgttctttat tactctatct ttattgtctg 360  
ctgcatgttt atctgcatcg ttcggtattg catacaggca tggt 404

<210> 8318  
<211> 74  
<212> DNA

<213> Glycine max

<400> 8318

ctcctctgtg gactctggga acaatcccgt catagccacc gttttgaaga gcaacttcca 60

gctctatggg cgtg 74

<210> 8319

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8319

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gttttgaaat gcttgaatgc attctaaact ctcatcagan aagaaataca tatctatgaa 120

cttaggggtca atgatacaat gagaggagaa tagggttgtg tactgtatac gttgttcatc 180

cgatgagaac aatgaggagg aggaaataga ggaaggaatt ggaatatcct gagtctcgga 240

gtgtcgttgg cttctactcg aagaaccttt gtgcttcttt aatgggtcca ccatttgaga 300

gattntttca naatttcaat cggttgaaat gaaagagaac tgaaaaagat gaagtttggg 360

ctttgtgggg agtgatttgg ataagaaatg agtgagttat 400

<210> 8320

<211> 329

<212> DNA

<213> Glycine max

<400> 8320

atggactctt acattttgaat ctgaatttca acgttcaagc acactggtaa ttgattacca 60

caacattgta atcgattaca tcatttttgat atccattgga acgtgtgaaa ttcagttgaa 120

atctttctga agaccattct actactggta atcgattaca ataatcgggt aattgattac 180

cagagagtaa aatctctttg gcaaaaaggg tttgagaaaa atccatgtgc tactcagttt 240

ttgaaaaaac tatctcatatc ttatcttgat ggagtccttct cttgattctt gaatcttgat 300

cttgattctt ggaatcaaaa ttctctcttg 329

<210> 8321

<211> 438

<212> DNA  
<213> Glycine max

<400> 8321

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gatctttggt ttcttgggtc tgatttggac ttaaaataaa acttgtgttt cttttgtctt 120  
ggcatcatca agaccatcat acacatacat tcacaaacat cgctatattg tcgtaacaac 180  
ccattgtctt ttgaaccatg gatccctccc actcaagttt tgggtgttatg cattgtaaatt 240  
cgcaacgtgt ctcatcaatc ggatgccctc tcttacacta aaccaaaaag ctccattaga 300  
agtcttgttt catcgtccat caaattatag taaactaaca gcttttgggt atctctgggt 360  
tccttgggtc actccatata caactaaca acttcagacc aagtccttac catgtgtttc 420  
taggttataa tcttactc 438

<210> 8322  
<211> 337  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8322

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atattttttc acattatggt tgctggctgt atccaatgaa attcaaattc gaaatttcca 180  
ttattcttcc agttttttaa tcctttgttg aaaaccaata aaatgtcaaa attaaaattc 240  
tttatactaa caatgatgat gaatacatta agttacgggc gtccttcta acttatggaa 300  
tatctcatgt aacaacttcc catacccggt aatatta 337

<210> 8323  
<211> 467  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8323

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acatgtgggc catcattgac caatacattg atgtggatgg ataggttctc cttcactttg 180  
 aatgggattc aagagcttcc aagactacta gccaaagcta aggcgatggc ggacgtgtac 240  
 tcgacccccg aggaagtcca tgggctcctc gattattgtc agcaaagat cgattcgatg 300  
 gcctacataa ttaggagccg ctaaggcggg tgtattntcg ctttaattnt gacaagatga 360  
 acatttttgt tccttaataa aaaataagtg tggtttaata ctatgtctct gcttanaant 420  
 ctacgtgaga ccaatgcttc gacaacttat ctttagcatg cattcat 467

<210> 8324  
 <211> 213  
 <212> DNA  
 <213> Glycine max

<400> 8324

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 ggaaatgatc acaattatgg gtaatacggt ggctacgttc tactatgaga agctgataga 120  
 atatatgcca gctaactcta cagacctcat gtttgccgga gaaagaattg agttcggacg 180  
 gatgaaaggc acgattgaat atgcctccaa cgc 213

<210> 8325  
 <211> 451  
 <212> DNA  
 <213> Glycine max

<400> 8325

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 atgatgtcgt cacttcattt ggctttgaaa agaacatcat ggatcaatgt atataccaaa 120  
 aggtcagtgg gagtaagatt tttttcttgt gttatacgtg gatgacattt tgcttgcaac 180  
 taatgataag ggtttgctat atgaggtgaa ataatctctc tcaaagaact ttgatatgaa 240  
 ggatatggga aatgcatttt atgtcattgg cattaagatc catagggaaa gatctcgagc 300  
 gaatttgggt ttgtctcaag agacttatat taacaaattt ttagagagat ctaacatgaa 360  
 agaatgttca ccaagtgtag ctcccattgt gaagggtgac aaactcactt tgagtcagtg 420  
 cccgaaaaat gattttgagc gggaacacat g 451

<210> 8326  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<400> 8326

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 gccataata cttggtttct cacacctctc cctcctggaa agcaagctat tagttgccgt 120  
 tgggtctaca aaatcaagtg caaatcagat ggttctcttg aacgctataa agcacaatta 180  
 gtagcaaaag gctacacata acttgaaggg attgattacc atgacacttt ttcacttact 240  
 gctaaaatgc gtacaatacg ttgtttatta gctctggcag ttgctcaaaa ttggtcactt 300  
 catcaacttg atgtccacaa tgcatttctt cacgaagatc tttttgaaga aatttatatg 360  
 tctcttcttc ctggttctca gcgacagggg gagaacctag tgtgcttctc aacaatctta 420  
 tatggataaa ac 432

<210> 8327  
 <211> 313  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8327

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 catggaattg cagcggaaga taaaggagaa gacgtgaaag aaggcgtcct ccactataga 120  
 ataatccatg gaaggagaag cttcaccacc aagagagtgc cttggataag aagcttaaag 180  
 agcttcaatg gaggaagaga atgagagaga gagggggggg gggggcctgc taattaatag 240  
 tgattacgta caacaggact gccttgacta gttattaact gaatctcaac tgtttgggat 300  
 gccattggag aat 313

<210> 8328  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8328

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ggacagagggc agagnactct gcccanaaca canaccaata ccacaactnt ttcttactca 120  
aataccccag taacattctc ttgtttccaa ttcgttaacc gttggatcga ctcgaaaatc 180  
ttactggagg tccctagtag ataaatctac attgtgaccg ttgggatctg ctagaaaacg 240  
tgcagaaccc aatctgtact actctcttca caaccagcac atacaaatca ttntctgcac 300  
aaagccaaaa ttctgtaca catttcaaca gcaaattct gcataatagt gcagattatt 360  
gacatcgcac ttgccctcgt ccaattntgc ccaaattgaa tctacacgt cctacatcat 420  
gtataaatca t 431

<210> 8329  
<211> 234  
<212> DNA  
<213> Glycine max

<400> 8329  
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gaacgtacaa ggacatccaa cacattccaa ctgccatata tatattattt tgaacagaac 120  
acacaatctc atgctctagg ctctgcgcca gaactcacac ctaatcacat cctaaatatt 180  
ttgctatcag aaactaccta cacatatttg aaacatatat catacagggc ttca 234

<210> 8330  
<211> 270  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8330

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gtttattatt actgtntttg atatttggca cgcgatattg tgttgtggga ggtaatttcg 120  
attggattaa ctccatctc ctcaattgcc agtttggtat gacatttgct gttggatcac 180  
ctatgatttc ttgtttccca gggtaatcta tctctcttt gatggcataa gcatgacacc 240  
aatcaaagaa taggacatta attctgactc 270

<210> 8331  
<211> 504  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8331

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gcaccatctc gacccggacc ctaagtcacc gagcagcaag caaaaataca ttttatattt 120  
atttccgaga aatatgattc ctgactctgt gatgtntcca tgactataaa tactgaacgt 180  
tttaaactct cattatacca ttctatgaga ttaagtgaac accttgaata tactattaca 240  
tataagagaa gtgttgactc aacaattgaa tggttccaga aatataacgc catcaaattn 300  
tcataaacac cacattatga gcctatgtga ttttctacta tgataatata cctgagcgcg 360  
gcgtccatct aactaatttc agtattacta aaaaatcgta accgataact atgaatatga 420  
tgatattgca accgcatgtg acggtgatgg gtacttatat attgaaatga cactatggat 480  
tgcggtgctta cctactgatg cacg 504

<210> 8332

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8332

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aatcaatagt atcataccia gtatgttctg tcttgattgc tgtcatgctt attctgtggg 120  
ggcctactta aaatctaaat gtccatgtat tgatattggtt aacgatctaa ctcatctcag 180  
atttaattat tctatttaaa tccttctata tcatgtctat atnatttttag aaattttact 240  
ttttactcca tgacatgact actttcacat tctagatgat tatattattt aa 292

<210> 8333

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8333

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acagcttcaa gtgagtaggt gcaggtgttc ttttatggct ggaattttcc atcccaaact 120

tcttgacaat gttctttgca tacttgcttt gtgagaggaa catgaagtct tccatctgct 180  
 tcacttggag tcccagaaaa taagtcagct ctccaacaag actcatttca aattcagatt 240  
 gcatctgttg aacaaaatgt cgaagcatct cattcgacat cctccaaac acaatgtcat 300  
 caacatatat ctgtgctatc atcaagtttc tagcatcttg tttgacaaag agagtcttgt 360  
 caattcctcc ctctctatac ccttgctgag taagggaact ctgtagcctt tcatac 416

<210> 8334  
 <211> 281  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8334

taagcttcta gcacaataga cttaccttga cttaattcct ctgatagcct ctttgagcct 60  
 tgtctgcctt tccttgtttt gaagctcact acaagcctta agtgaaaaac catgatatca 120  
 ccatatcctt aaggaatttt ggagctctgg aattgttttg ggaataagtg tggggctctt 180  
 tggttcattg aataacatgt ttnggtggcc atgcattatc atatatttnn agccatactt 240  
 natgtacatt gcatattggc tcagatttgg acatgctgaa t 281

<210> 8335  
 <211> 321  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8335

agctntgcgg atntggtctt caccggcgaa aggatcgaag tgagtctgaa atgaggaaaa 60  
 nttgatcatc ctgctttgat gaatgcaaaa actggggcaa atgaagagga tgagaatgag 120  
 ggagaaaccc ttgctgtgat tgctattcct acacggccaa atttcccatc agcccaacaa 180  
 tgtcattact cagctaataa caacccttct cattaccac caccaatca tgcacaaagg 240  
 ccatcccaa atcagccgca agacttacct gccacatgac caatgccaaa caccacctt 300  
 agcaciaaac anaacaccaa c 321

<210> 8336  
 <211> 429

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8336

cgcaatgaac tcggttaagcg agcatgctgc gctaagcaag ttcattcagta ctcatgtgtg 60  
atacaggcgt tctcggaaga actcgctaag cgcacctacc gcgctaagcg agttcatcct 120  
ttgaggatga acactcattg tgcgaacgtg ccccttttgcg ggcgggcgaa ggcgaggctc 180  
acgggtgcgc tttccaaatg aggaaagatg cgcggagtcg ccaccaacgt ttatttgtgg 240  
agaacgtcgg acaaaccgaa ggacaccggt caaaatgaat attctaagtt cgggagttgt 300  
atttacgttt gaggaaggta ttagcacctc tcacgtttgt ctcanaggac aacaacctat 360  
ctttcagaat tgtggcaaat ggtgtatctt aactttaagt tctttctaata ttttgagggc 420  
gacaaaagc 429

<210> 8337  
<211> 457  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8337

agcttctagc caaatggact taccttgaat tattttcttt gatagccctt ttgagccttg 60  
tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatattacc 120  
atatacctaa ggaattttgg agcttttgaa ttgttttggg aataagtgtg ggggggttgt 180  
gtttcattgg acaacttgtt ttgttggcta tgcttcatga tgtatttttg gccatacttg 240  
atgtacattg tatattgggtt aaatgttggga catgctgaat gaaatgttgt ttctcaaagg 300  
ctaaagagta aaaaaaaaaa atctaacaaa gaaaaagaaa agcaataaag ttgagtgaat 360  
aagatcttaa atggcacaag aatgatgaaa ctctnggttc tactcttcat nngttaattt 420  
tatctntact tctctttaat ttcttatnt cttttct 457

<210> 8338  
<211> 403  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 8338

gcttggcaat aacacaacct cgactctcat tgagtgtaga acactttcaa gtggtgctca 60  
gttggagaat agtcatgagc tatgatgcaa tcctaccccg caagggcatt ggatagaaaa 120  
ctccaagtag attgtgccag agatgcaaga gaaggcccta gggttcttat gaggcttacg 180  
gtagatttct ggcgcacatggg ctaagtacga gccacttat ctttgtaaatt attaaattaa 240  
ggtttcatta tttttgggcc ttgtatttac ggctccataa tgtatgtagg gtaccctaca 300  
aatatacgat ttttcagccc ttgtatttta cggcacctag actagttttt gtattaaggg 360  
tagatntgta atcttacatg cactaagtgg atattngatg tgt 403

<210> 8339

<211> 468

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8339

agcttgaaga agtnttgtct tttatgtgcc cacctctttt ttggcatttg tattgattat 60  
tgcaccttaa tctctatcta tctatatgta catcatgcat catcatgtaa aggtaggaag 120  
attgtttcta aagttagaaa attcttcagt gcataatact ctctatttta atcgattacc 180  
aggttgttcg taatcgatta caagagttgc ttgtagcttg tagagagatt atagtttcga 240  
tttaatcaat tacctagtat ctataatcga ttacatagtt cagttgatac catgtctggg 300  
ttttcatgag tctctgcttt aattgattac cagggtgatgg taatcaatta ctttgttctt 360  
aaaagtgggt ccataagtgt tcgacggctg ggtagtgcac cggatcgctc aagtagtata 420  
aaacagtaag tgaatactga gtatcgaact ctcgagtctc acaacatg 468

<210> 8340

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8340

gagatccaag aaggataaag cagctgaagg aacctgttcc gctcctgaat atgacagcca 60  
tcgttntagg agtgcagagc accagcagcg cttcgaggcc attaaaggat ggatcatttct 120



ttcgagcaaa caactaatga gaagcacaat caagcattat gcacagtaga gaaacaaaag 360  
 tgcaattatg ctga 374

<210> 8343  
 <211> 439  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8343

agcttagtac acanaggatg attctatatt tctttagaat cttntaatgg ggaggaccaa 60  
 atgcttgac atagcttgta acatcacttt caaagctact cacatctata ggaaagacaa 120  
 tcactataac attagagaat tacttgagta aagattctat tcttgacata ggttttggcc 180  
 tagtctacca tggacttttt gtaactcttc tctcctttca ttaataactt tgctcaattc 240  
 gctacattat cgattattca gagtgggcat tgatcccatt tgtgtcgtca taccctgcat 300  
 ttatgaaaga tttcttttac taggaaagca tctgtttgac cctggacgtg agtcgaacta 360  
 tgttctgtgc ttaatcgaca ttattagata ctctnttata agcatcaata tcattattga 420  
 ctactaatta tgatattct 439

<210> 8344  
 <211> 392  
 <212> DNA  
 <213> Glycine max

<400> 8344

tcttgaccaa gactactaat ccttgactaa tctaattaag tgtctttggt tatgaacaag 60  
 agttagaaga cgacaaataa gccttctcta tccctagaca caacaccctt gaggagtttc 120  
 tctccatttc taagttcaga aatattttct aatgacaatt caaattacaa catcaagtaa 180  
 agggatgatca aaccaaaca agcattaatg catagaagaa aacacttaat aatgaataat 240  
 aaacatggat taataatcaa aatataagca taaggataag ttcagttaca tcaactccca 300  
 aaatggataa atctaactac ataaccacaa gaagaaaata agacaataga tgacagagat 360  
 gatgataaat ggtagggaag tcatggagag ca 392

<210> 8345  
 <211> 442

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8345

agcttggttaa caaatgttca gaaatcaaga attctaatat tgtggacaag gttcgttacc 60  
agacaaaact aaagtcactt aattcaggag attttcaata ttaatatcca agctgacatc 120  
gcacaagatg taaaggagaa cttgctcatg tctaataga ttgaattcaa gcaatccctt 180  
attatttatg ttgaggcaac agtttctggt gttttagatt tattccttct taaatgattc 240  
cgtaaaaaaa aaaaaaaaaa aaaacaagtc aataattaag ctttttagcct ttatttatca 300  
ttattttgcc gccctctgag tttttgcttt gctccatctg gattattatt attttttatt 360  
tcagttttta ccgtattact tcagttcttg taaaattgta tcctcatgtg gaagaataag 420  
aatngtcact ttgcacatta ta 442

<210> 8346  
<211> 477  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8346

ntacgttgca tacaagaaac aagagatgct agaagcacag attataacaa agaaacacga 60  
attaagagat agaattattaa agataacgaa taaagaatat aagcccaagt gaacaaaaag 120  
tgcacaattg gctaatttg acacgtaagt gccaaagcag gccacaaaaa acttggttaac 180  
aatatttggc aagtgaacca gatcaaaca gtagcataaa atagaagtgt aagcattatt 240  
taaaagatga ttgattaaa aactaacatt attctaccct tagattcagt agcagaaaat 300  
aaaatgtaat taatagaaga acacctatct aggcatctt atcaaacacg tactatgcag 360  
ctaaattgat taactaatga taacgaaaca ttgttggggg ggacttcttg cacaccattc 420  
ttcatgtata taacaataat aaataactta accatacact atcaatatgt tcatgca 477

<210> 8347  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 8347

agctntacaa attatacagc tgatctatag ccatcacata attactagat ttctaacaat 60

atacatcaaa tagttaacta gattttgtta tactttcttt ctggtggcag atgtgtgcta 120

tgacttgggg caagtgcctt ctctacctta aaatttattt tggaatatgc attattggtc 180

cactaaatat ttttaatttc ccactaatca ataagttata taaacatgga aaaaaataa 240

aattttgtta cctgtaaact acaagataaa aaattatatt attttgaacc ccagacctaa 300

gaaacccccct tactcttttg tctattttgc tgttggtatg tgagagtcac tgcctatgca 360

taaattttta ataagaaatc agttgtagat agtaacttct tgatttcccc tgtaaaatat 420

ttcacatttc aatatanact aacactagta tgcaatgagt atgtttct 468

<210> 8348

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8348

tctcagcttc agcctatcgt gcactattgg taaggctctc aacgaatccg acgtagcaca 60

caacatctca gtcgagggtt ttgaaggcat tgctaatacac ataactacta ataactatct 120

cgcgtttgtg gaagaagaga ttccagttga ggggagaggg cacaacaaag ctctacatgt 180

gtctgtcaga tgcattggacc atgtcgtcgc taaggctactc atccataatg gttcaagtct 240

aatgtgatg ccaaagacca ccttggagaa acttntcttt aatgcgtcac gtctaaaacc 300

aagttcgatg gtagtatgag ctctcgacgg tagtcggcgg gaggtgatgg gggaaatnga 360

cattcccatt cagataggcc cccacacttg ccaatgtggt ttccaagtga tggacataaa 420

<210> 8349

<211> 461

<212> DNA

<213> Glycine max

<400> 8349

agcttataaa tcaagagatc ataaattcaa atttatatgg ggagtatggg ataagtgaac 60

gttctatatt gtatatattc tatcttgtat cttgatttca ggaattaaat tgtcatcata 120

aaaaaggggg agattatata agcaaagaca ttttgatggt ttgatgatgc caaaggatca 180

tgcgcttctc aagtttaatt catgacaaga atccaagaga ttcaagatat atgatcaaga 240  
 taatctctag agatttagga agggaattcc aatttgaaac aacaagaggt ttggccaatg 300  
 aatttaagct aaaatgtttt tacaagagat taactctctg gtaattgatt accagtggcc 360  
 aaaatacttt ctgaaatact tttaaaatgt ttttagatgt atctgacaac atgtaatcga 420  
 ttaccagcag ttgataatat ttataacagc tattataaat t 461

<210> 8350  
 <211> 436  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8350

agcactcatg acacatgtgc tcatgcttcc cttctttgtg agttatagtt gcaaaggcat 60  
 gtcggcatgg catcctaca tcaaagttgt taaatcagca cacatgtatg ttaggaatga 120  
 caaaaaaact ataaagaaca caacctgtta gttgccatac tccacaagtg catgtccatt 180  
 cacctaaatt gacctcaacc ttatttccca catgtggacc tcatatctca ggcccatggt 240  
 atcaccacac caaatgggag tccattgatt ancaaaatgg aatccttttt ctagtctttt 300  
 atactgcact ggacataatg cgccacgttn ttcagatagt ataaccttgt cggcagncat 360  
 ggttctcatg atataacttc taatttcttc aagcattgtg ataataggct tgcactata 420  
 ctgcagaact ctggaa 436

<210> 8351  
 <211> 458  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8351

agctntggag tttccaagtg ccaattcgtc ttcttctttt gtccagactt cttctggctt 60  
 caattcatta gagggttttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120  
 gacagctttc cagggttctgc tatccagtga tttgaggaag gccaccatcc ttgctttcca 180  
 gtattcatag ttggttccat ccagaattgg tggctgttgc actggctctc cttctttctc 240  
 catgttcac agaatattac tccctagatc tcaactcagt atttcgagt cctgctctga 300

taccaattga aattctgata ctggggacag atgtcgtaca ggatgtcacg acatcacgct 360  
tcagaacatg cagattgtct ttgactgtat gaacaaatta aacaagttaa taacacaaga 420  
gaattgttaa cccagttcgg tgcaacctca cctacatc 458

<210> 8352  
<211> 351  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8352

tttgtattcc tcacaatgta ttctttgata tccttaataa aatgacatga atgtgtttcc 60  
ttataaaaaa tctctatagt gccatgtaac taatatgaaa gtcacaagag gtaaagaata 120  
ctcaagagaa ggtaacaag cggttgttga aactgacgtt cttcacaaga ggtttttcat 180  
taaagcacac aaagtgcctt acttgcttgc agtaactagc agagcactcg tattatactc 240  
tttggcactc ntcatagtct tttttcctct ctacgttcaa ctgtaacata agagtaaaca 300  
ggaatccgaa caatctaagt tatggaaagc ttcacgtgac aaagaagttc t 351

<210> 8353  
<211> 389  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8353

gcttctttgc cgcgcctcaa cactgaccac accgttcccc tcccaaacat ctctctctct 60  
ctctctctct ctctgtaat gcaactctga gttcagggtt taaccaaggt tttgttttgc 120  
ccaagacgct tatttctacc acctttcgta ggcttaacca ttgtattgaa actcaaatat 180  
tattcatata atttttacac cttttaattt cattgttgta caaatcaata taaatataat 240  
ttctcaaata ataattatat aaataaaaca caaactgggt gtggccgcct gtgggcggtg 300  
ggcgctacct gtgggctgtg gctgttgctt tcttttctact tttttttttt aaaaaaaaaa 360  
aaatacatat tacagtngtc ttggtttttg 389

<210> 8354  
<211> 479

<212> DNA  
 <213> Glycine max

<400> 8354

tcatgaagca actctcctag ggtcaaaagt caaaatatag tccctaaatg ttcttcgatg 60  
 aggatccaga atatgcacca gaataagcct caataticctc cacttgcaaa gtaaataagg 120  
 cacaaacgga gacaaaaggg ctgggatcag ttgaaaagcc ctggatttag ccaatccctt 180  
 ataacaatag aatatgtatt atgtaaagtc cgttagagct gcacagataa ataaaatact 240  
 actatggaaa gaaagaaatg ctgcaagcca aaagcactta cttgcttatg tcatcaagat 300  
 ggtcatcaaa atctacaacg tcattccact tctcggatgc aatatagtcc aacaagacta 360  
 gatatgctga tggctctttg agagaaaatc gatgggtccc atctgactga accaactctc 420  
 agttcttaga tgtatcccta acatatagct aaatcataag aaaaggcaat cttgggtaat 479

<210> 8355  
 <211> 616  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8355

ctacacagac gactcntaaa cgtgtactca tcgtangact aattctaant ttcacaaata 60  
 nntnannnnn anaaaagagg tttgaaaccc tagttgcac cccatagcag naccgcgan 120  
 nccctagagn ncancgctcg gcatgcaagc tttacaacag acgcctcttt actcctagtt 180  
 tttgaacgat angncaacaa ggaaacataa gtatattcac cagacaaca tcatatgggg 240  
 aaagagaatg aagtgcctatg aataaaaaga gccttcacc caagcataaa gaccctgcga 300  
 gggtaaccat gccccgtaca ataggacacc tcaactatggg aaaggcacac attgaccgcg 360  
 gagccacaac taaatagatg cgactctcca cgtgcaaaag gtgggggagag tcggagatca 420  
 cgcccactag gaggactcta caacatgctg accgcgccat cacctacca aaatggagta 480  
 cttgacgatg gactgctcag agtgaaacaa cttatcttac acggccgaca tagggggaac 540  
 ggagatntgg gacgaaactg acatacctcg aagagtggga gaggtatata cgagaactac 600  
 aaactgatag ccgaag 616

<210> 8356

<211> 529  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8356

agccgcggtg agcctgatga cccttgaacg cttgaagccg cgcncatana aactcagcgt 60  
 tgagcgcagc acacagattc tatgtgtgct acactcctta tttcagtggg cgtagtatgt 120  
 ctgagaagag aaagtgacaa tgaaggatat attggagcaa actctatcct ttcaggaggc 180  
 tataacatca atctaaacgt gctccagctg gatttacagc taaaatctca ccggctctaa 240  
 atttgactct cccacacgca aatttacct anctatggat cttanttcac tatggccatt 300  
 tgttcttctc tctagatagg ctaacctgtt tacatgttgt aaaggattta agctagggta 360  
 actcatatac acccatttac ccagaaacag atttaccttt cactctcaag cctcctatat 420  
 acacttatag acacatctac ttctacctag gtactctgct tcacctaaag ctctctaaca 480  
 ttgcgactaa ctcacagcac atataaacct accctgatgg catgtaccg 529

<210> 8357  
 <211> 347  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8357

agccttttat ctatagactc cttnttggnt tcttggatgc acatgatatc aatnttatta 60  
 gataaggtea gcttcttgat agctgaccat ttgataccat tacccaaccc tctagaattg 120  
 tgggacagaa tattcatgag tcaagttgtt cctttcccat cacagcttgt ggtgttggtg 180  
 atatgtcagc ttgttttaat tcattcttca tgctgactat gttgcctgaa ttctcttcga 240  
 aagtcattcc taaatctctg gtacatccc aaaaaaact ctcttgggcc tccttattct 300  
 gtttggttga gttgcatgga agggtagggc tgagctgagg ctgaaac 347

<210> 8358  
 <211> 223  
 <212> DNA  
 <213> Glycine max

<400> 8358

cactaatgga tattctgtta cagtaaactt cttagcctgc gatattacac attataaaaag 60  
 atacactggt tattaattaa atgcggaaag tacagatcag aaacatacct gctgccattg 120  
 ctatgaagag cctcttgtta tggatcttcc aagctctctc ttactgtctc tagatggcgt 180  
 ctcagactga attcgaatgg atgagatcat ggaccagatt cat 223

<210> 8359  
 <211> 411  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8359

agcttcacac catagcaaca cataatctag gtatcaaaat ctctcaatgc aatggatttt 60  
 caacgtttga gaaatgaaat tgagaatggg gttaatttgg agcatactct cacctcacac 120  
 gagtctataa catcaattga aacttgttca aatcggattt acacctaana tgttcccgaa 180  
 ccaaaattng actcctcaac cccaattat accctagaaa tggctcttta ttacttttgg 240  
 gcatctgatt ttctctctag cacagcccaa actttctact aagtcctaaa tgaacatgca 300  
 agctaggatt aactcactnt aacctccgaa taccacttaa tccagattta gccttaccac 360  
 tctcagaacc tcaactcttct ttactcata acaccatatt ctgactttct a 411

<210> 8360  
 <211> 417  
 <212> DNA  
 <213> Glycine max  
 <400> 8360

ctcatcttgg tggatgaagct ccttcttcca tggcttattg cctattggat ggagcctcct 60  
 ctcacctctt ctcttatgtc ttctgctgca tctacatggt ggaaaaccac cattagagga 120  
 cctcattgaa gctcacagat acagcctcca tagaagctcc acaagcaagc ttccatcatc 180  
 ctcttaataca cccatcgta tagatctgga tttgggtgca tagggatgcc ttggggcgcg 240  
 tttagttatg gtatttctcc tataaaacca aacgtgagga gtacgtacaa ataatgaatg 300  
 catgctagat ataaaatgtg ggagtgattt gattcgcact gacttttggg gtagaaacgc 360  
 gggataaact cattttattc agacagtgtg tactactcac gatcagagtg acaatac 417

<210> 8361  
 <211> 386  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8361

agctntaaact gaaacattaa gtaagttgcc aatttatctt tctgctattc aaccttcacc 60  
 ttcttctgtt ttgcaggttg catgttgtgc tatttgtggt ggtgctcatg agtcaagctg 120  
 ctgtattccc actgaggatc atgcacatga agttaactac atgggaaacc aacctagaca 180  
 aaattttaat gcaagtggat tctcaggatt tcagcaaggc caaaattata actagtagta 240  
 tggacagtgg agagctcatc ctggtaatca attcaacaaa gaccagggag ggccatctaa 300  
 taggctgcaa caacaagggc ataattctta cgagaggaca acaaagctgg aagagactct 360  
 tgcttagttt atgtagggtt caatat 386

<210> 8362  
 <211> 466  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8362

tggacttacc ttgagataat tnccttgata gtctcttga gccttgtttc cctttccttg 60  
 tgggtgaagct cactacaagc ctttaagtga naaccatgat atcaccatat ccttaaggaa 120  
 ttctggagct ttgcaattgt tttgggaata tgtgtggggg gtttttgttt cattggataa 180  
 catgttttgc tggctatgct tcatgatgta ttttgcgcca tacttgatgt acattgcata 240  
 tcggttaaat gttggacatg ctgaatgaga tggtgtttct caaaagctac agagcagaag 300  
 tcactaatcg ataaagacaa agagtagcta tacagttgag tgaataagat cttatatggc 360  
 gaaagaatga tgagactctt ggatctactc tctatgtgta aatcttatct atagttctct 420  
 tatttttatt tctcttaata tgcatatata tccccattct catcta 466

<210> 8363  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 8363

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tcacgatcat cgtctccctt tccatcattg ggggtaccac ttggggccgcc agatccctcc 120  
accttttggg cgtgttcttt gaaagatccg tccccctttt tgcaaagtgt ttgtagttgc 180  
atcctatcca gaaccatata aaaattgtac taatactgcc taacaaaggc aaccattagg 240  
tccttccaag aatggactcg ggaagattcc aagttagtgt accaggttac agctacccca 300  
gtaagacttt cttggaagga atgtatcagc aattcctcat cttttgcgta ttcccccatc 360  
ttctgacaat acatcttttag attggtcttg ggacaagtag tccccttgta cttgtcaaag 420  
tccagcacct tgaacttggg atgaccatgt ttgggtat 458

<210> 8364

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8364

gctttcttgg agaaacttnc ttgagaagct tctntgagag aactttcttg agaagctata 60  
gcttagctac acacaccct ctaatgacta agctcacctc cttgagaagc ttgcttgaca 120  
agattcctaa agaagctaga gcttagctac acacacctct ctaatagcta agctcacctc 180  
cttgagatga gaagctagaa cttagctaca ccnncncta taatagctaa gctctacccc 240  
atggcaaaat acatgagaat acaaaaaaaaa aagtccttac taciaagact actcagaatg 300  
cctcgaaata caaggctaaa accctatact actagaatgg ccaaaatata aggcctaaac 360  
aaagganaaa acctattcta atatttacia agataagcgg gctcactatt agcccatggg 420  
ctcanaatct accctaaggc tcatgagaac cctanggtct tccctgggat ctctggccca 480  
atctac 486

<210> 8365

<211> 343

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8365

agctntgggtt ttcaattacg agtggtcgca tatcttactg ttcacattag gacatccgag 60  
tcaaaagtta ttacgtttga ctctttctag agctcccgtt ttcaatttct agcgtctcga 120  
tagattgaag ggctcagtcg gacatccctag ttaaaagtta ttggcggttcg actattctta 180  
cagcttccga ttcataatttg gagcgtctcg atatattaca tggctcgatt tgacgtccga 240  
gatatgaagct attgtcgttt gacttttctt atagctcgca ttttcaagtt cgagcggcgt 300  
gatatgttac agggctcgat tagacatccg agtcaaaagg tat 343

<210> 8366  
<211> 291  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8366

atcaacgaca taactntaac tcggatgtct attggcccct tttatatcta gacgctcgaa 60  
attgaacacg gccgcactgc gatgagtcaa acgacaataa ctnttaattc ggatggccga 120  
ttgagtctcg taatatatcg agacgctcgt aaatgaaaac agaagctctg agaaaaatca 180  
aacgacaata acgatgtact tcagatgtcc agttgagtcc cgtaagatat ctagacactc 240  
ttaattgaaa acagaggctc tgcgaaaaat caaacgacaa taactcttga c 291

<210> 8367  
<211> 206  
<212> DNA  
<213> Glycine max  
<400> 8367

gactcaatcg gacatccgag ttaaaagtta ttgccgctta catttgctac gagcttccgc 60  
tttcaactat gatcgtgtcg atatattact ggactcaatc gaacatcgga gtaaaaagct 120  
attgccgtta gaatttggtc agtgccctcg ctttccattc agagccgctc gatataattac 180  
gggactcaat cgaacattcg agtaaa 206

<210> 8368  
<211> 325  
<212> DNA  
<213> Glycine max  
<400> 8368

cgcacccttc ttcaaacatt cgggcataggt acttgctata gtgctaaaat tctggataaa 60  
 gcgtcgataa gatgatgcaa gaccaacgaa agatctcacc tccgaaactg ttgtaaggct 120  
 cgggcaagtc ttgatagcat ccacttttgt ttgatcaacg gatactccat ctttagacac 180  
 cacatatcca acaaacacca cactctctac caagaaatca cactcttccc tcttcccata 240  
 gagtaattgt gctcttacgg tctcaaatat ctgtttaaat gaggtaaagc ctctctata 300  
 gacttgctat acaccaatat gtcac 325

<210> 8369  
 <211> 420  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8369

agctngacaa actntagcca aatagcagtt gttgttagtg ggcatttttt nttatccata 60  
 ggaattaaac acaatactag gaggtttaca aactcacac accctgctca accaactaag 120  
 ctggatccct tgggttagtg gcatctacac aagttgaata aaatgttttt tattctttat 180  
 ttctaataaa gacttgaatg aaacacaaat gtgcagtatc ctgtacaata atatggtctg 240  
 aattctgaac agcaattgtg aaacaatttt tatataagct tcctaagctt gttattgatt 300  
 tctttgtgtt ttctcatgca gggagttcgt ccctgcgaca aaaggagaag catcagcgag 360  
 tatcaatccc tatttctctg aataggattt tcaactggcaa gtacctaataa tttatcatgc 420

<210> 8370  
 <211> 302  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8370

gcagcttcag tacttgcaag aatgccacag gtnattatta tataaactaa cacacattag 60  
 ttgcatgaat gtactaaaag taaacagaga catagtagaa tcgaacaggt tatttcatca 120  
 gaattgattc cagtaaagca aagagatgtc tgaagtgacc aagtaaaggt tatcacttat 180  
 caacctttga tttaaagtgg gtttaagttca tgaggtgctc ttttcaaata cacagtatgg 240  
 tatatttact tttccacttt acacatctcg cttttcagga tccaaatcct acatccatga 300

<210> 8371  
 <211> 358  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8371

agcttataat tataggatag aataattagt ntctaacttt gntctcatga atttcttgat 60  
 ttcatgtgctt ctaactctga agggtaagac attaataac ctctaggtgg atgtatattt 120  
 ctctgtgagt aattcattat ttgccatatt ataaatgaaa ttcttttttc tcatttttta 180  
 ctcaacttttc tattgcaggt gcagataaga ttattatcca ttatgggtggc gacactgctc 240  
 aaagccaacc actaggaacc tatatatggt atacaagtta tgctcaaatt cattgtgttt 300  
 tactctcatg gtgatactgc tctttcagga taatcactag actnttattc tgcaccag 358

<210> 8372  
 <211> 292  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8372

gaccacacag tgggtacctg agatatgtcg cggnggtcac gagaccttgg ggacgtcaag 60  
 tgggggtgcta ttgccccaaa ccaagcttga ccaatccga cccaaccgg gcatagtcgg 120  
 tcagtgaagaa cctgtgatgt acctaagcag ggcagctcct ggcagtcaac agataanagg 180  
 ataacaagac cacatagcaa ggaggcttgt ggtggctggc cacctgtgaa ctttgtataa 240  
 tatgtggatt gtggcctctg gtaatcgatt actaanggtg ggtaatcgat ta 292

<210> 8373  
 <211> 366  
 <212> DNA  
 <213> Glycine max

<400> 8373

agcttattac aatattataa ggaatataat aaatttggtg atattcaatt atgattattt 60  
 acatcttaaa gaaaatctta taatattaaa acatatatga acgtcaatgg gctctcttgg 120



cgtgaacgat gcatatgtga aaggcacaat acgtggatgt acatagtacg gaaatattca 420  
caagccaata taagaanaag ggtacatgac acttatgcat 460

<210> 8376  
<211> 393  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8376

cctcatcgtc cctcacagtc tttagatttg ggagccaatc caatccttgt gttcggactc 60  
tcagccactt atgatagccg ccgatgatcc cattactgct tcccctaagc tctctgtcct 120  
ttcttcacgc cgcaccccat gccttgcgaa ctcttggag taccctcgcg ttgtggtcac 180  
tgaaaccccg tgcgatgaaa ggcgtgatgc tttcgtctaa tggcgcctct ctcatgcggt 240  
agccaagetg tcttatggcg agaacgggat tataattaat acaaccocctt gttcccatca 300  
agggaaacat tggacatnct tcgcatgaag atagaatctn tgattcttct ttcttctagc 360  
gagggagacc aataacagaa cgcccccca tgc 393

<210> 8377  
<211> 391  
<212> DNA  
<213> Glycine max  
  
<400> 8377

agcttgaaca gttaccaatc tccaaatgaa tcttccctga caacatgtta tcatagagaa 60  
acattatctt caatttacca agcctcccaa cctctctggg gagatcacc tgtaaattgt 120  
tgcgaaacaa tgcaagtgtc tgcattgttag tgaggatccc tatgaaagga gagattgaac 180  
caaccaaagt gttggtttga agcaatagat cagttagccc caacaacca taaacctcaa 240  
taggtattga cccattgaga aaattgtttg acaaatcaag ttgcttgagt gagtggcacc 300  
gaccaactc agctggatc tcaccatgaa ttccactacc tgacatcatt aaattctaca 360  
caattgtaac attggaacat atggttcttg g 391

<210> 8378  
<211> 349  
<212> DNA

<213> Glycine max

<400> 8378

ctccatgtca acgctcatca ttgtgatgtc tgtgatgata ttagtggtgg tgagtcgcaa 60  
caagatgata tgtagagta tcaactgaag ttctgcacat atcctctgat ggcaatcaga 120  
acaaggagaa gtgaaacaga cggtagagag aataagttgt cactaacatt ctagttcaaa 180  
acattgtgtg ttgatgtgga atgtcccata cacatgtgcg atttgacatg ttagcaatga 240  
cgtgctacgt atgcactcca cattaacaga catagaaatc actcgatgat atgactaaat 300  
agtcatacata tctacacaat tgatatTTTT atactagcag agaaaattg 349

<210> 8379

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8379

agcttattaa tatatgattt aaaacaatga ttattgaaga gtctatacat gtttccttta 60  
atgagtctaa tgccattctt ccaaggaagg atttntaga tgatatctta gattccttag 120  
aagatacaca tattcatgga aatgactcta ctgaaaaaga tggaggaagc aatgaagatt 180  
cttacgataa tggagttaga gcaaataatg aacttccaag acaatggata gccttcagag 240  
atcatccctt tgaccacatt attggcgata tatcaaattg ggtaacaact agacattctc 300  
ttaaagattt atgcaatatt atggcttttg tatctatg 338

<210> 8380

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8380

cttcataaga atggatcctt ctcttagttt gtcttagaag ctatcaggaa aactccaag 60  
cagacatgtg aagagatctt gaagaaagct gtgattgggt accaatccat acttctttaa 120  
tgacagcttc cattctagaa tagtttcaac acgttttagaa attcccgatc tctgcaagtt 180  
aataatagaa ctatatatga atacattggt ctttacttct acactacaag tatcaatatg 240

aaagatatat gtgataatct ggtatatattg ggataaattc tacttataag aggagaaaat 300  
gatactaang gtaaaactta catacagtac catgggtatgg taccataagt ac 352

<210> 8381  
<211> 511  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8381

agttggccgt gtagccggat ccttaagcac ctgcggtgc agcttgacag tttngaaga 60  
ggtnttgatt gatcaaaaag aagaatctac ttcaaccgat atgcccttag gcacggcaat 120  
acataacata gaaatcacac tcggaaaggg tggacaatta gctagagcag caggtgctgt 180  
agcgaaacta attgcaaaaag aggggaaatc ggccacatta aaattacctt ctggggaggt 240  
ccgtttgata tccaaaaact gctcggcaac agtcggacaa gtgggaaatg ttggagtaaa 300  
ccagaaaaat ttaggtagag ccggatctaa atgttggtta ggtaagcgtc ctgtagtaag 360  
aggagtagtt atgaaccccg tagaccatcc gcatgnggt ggtgaaggga gggccccaat 420  
tggtagaaaa aaccgcgaac tccttgtggt ttctgactc ggaagaagag caaaaatgga 480  
agaaattact gatattcgat tcttcgcgtc g 511

<210> 8382  
<211> 395  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8382

cttctcatca atggactcct gacgtatacg aatgagtgcg gttcggtcga taaattccta 60  
tctctntatc tatttctgag atgtttggat ttttcaaaac tccatggaca tgcagaagag 120  
aaatgctatt ccactcggga ccaagacata actttacttg ttcaaataac aattaagggt 180  
aagcagagtc aggaacaacg aatcccttta tgataaacag attcattttg caagttcgtt 240  
attacgggta gttcctacaa aggatcggac taatgacgta tacaatactt gaattctcga 300  
tgtagatgct acatagttgg ttctcatcct tcacagacta cgagtataat angagcatcc 360  
gtcaacanaa ggatcacct aagatgatca tctcg 395

<210> 8383  
 <211> 455  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8383

agcttggttt gtgtataaaa aatgatgcat atgttaccaa taatgtgaga aataataact 60  
 ctaatttagg gggaaaaagg ataaatgaa aacaatgaat gatatatgcc taaaaaatga 120  
 aacttattag acatatgaag aaatataaaa atcaaaattg atttattaat ataatatcca 180  
 gctcaatatt taaccagtta atttatatta tgaagttatt ttttaattaa ttgactgcgt 240  
 gacatttggt ataaatctga attagaatat acattattgt tatcatttaa taagttgaat 300  
 ctagatatat actcgtggta gtaatttgaa tgcttaaata ataaaaatta tacttattat 360  
 aacgacctta cttatgtatn ttttaataaa tagagaaata atacaaatta ttctacttca 420  
 atgaaatata cgatatataa tattttatat gaaat 455

<210> 8384  
 <211> 452  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8384

ctaagcttag tcctgttgat ctgangttga aggtaggacc ccataacttg gggatccac 60  
 aactctggca tgctgtcttc ttcttgaaat ttatatgctc gcaaacacca cacatccaat 120  
 ctctccaga ccagctcatt ttctgatca atatccacac ttgaattttt gaattataag 180  
 aatttttggg tccatcaatt ctcggtgcaa ccagataagg actatatgtg catgtagcct 240  
 acttacacag taatgagaaa tattattagt ccttgtttta tgcattatga gttatgactt 300  
 atgaccctaa cttctattaa aggcattgcaa ttttctatcc atatataggt tatntgcaca 360  
 aagaactact gtcttgggtg atagaatact ctgtcaagat ggcatagcaa tcttgtcaag 420  
 ttttctactc tactcaatat taatctatcc at 452

<210> 8385  
 <211> 417  
 <212> DNA

<213> Glycine max

<400> 8385

ggatcttaag cgactgggct gcagcttata attgctagat tgggagggat tttattatac 60  
aaatttgttt tcaatatcaa aagaattccc attgtgattg acagggttgca ggctattaga 120  
ttagattaga caaacttctt ttcaatatca aaataaattt agaaacagag taacacagga 180  
actttgtttt cttgtctcat attttttctt aattacaagt ctaacagtag tctaatagtt 240  
gcatattagt atcctaactt accttttttt tttcttaacc atctcattca tcagggaata 300  
agaatcctaa ctaatccaca taatttatgc agtgtatata gtcattctata catcctaacc 360  
aatgacaga agataacaat tcaattttaga catcctaacc aatgaaagc aaaatac 417

<210> 8386

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8386

atgtcagttt actgcaactg acaatggctg cgccgaacct tttcaacct gccactcgct 60  
aaatactctg gtcctatgct ctctgcacat tgatgcanaa gtactcttca tatctaattc 120  
taacctttcc attctgaacc tgaaagacct gaagatcttg gacaccattc aacaaaaaat 180  
tgtgttttct actccaaatc ttagttctct cacaatcacc aattatttat gtttcagtca 240  
tcaaccattc tctccacat gcaatctttc gtgtcttgaa gaaggaacta ttcacaccac 300  
tacttatata tcttactcgg tctgtatagg ctggctgcaa ctcttcgcta atgtaaagat 360  
attgaaactt tcttacgata ccttgagaat actgaaagta agttttcttt agttaggttt 420  
ctactctcct tttctttntg atataatcct cat 453

<210> 8387

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8387

actaaatctt gtcttttctc gcttgaagct ctccaattgt ctgtagaaga cagctcaaag 60

gactcggcaa gccagtctga cgtgagtaag ctggtggcag atcagtcctt tgtatcttct 120  
atccttgcat cggatatgtct ataaatccag taaatgttcc gtgttcttta aatgtattga 180  
tagaatgatt gacaatatgt tctgcactga ataataattc gtgcttctgc agcttcctgg 240  
ggttgaccca aatgatccat ctgtcaaaga attgctggct tccttgcaaa atcagtctga 300  
ggtaggtttt cttttatgga gaataatcat tgagtctgaa gagaatctct tagaatattt 360  
cacagggggc atanttaa at tagcttacct agatagcctt gactcctttc atctctccct 420  
ctt 423

<210> 8388  
<211> 493  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8388

atgataaatc tttatatata aaanagtaga catgacggta ttattgtaat ttaaattcttg 60  
ccgctcattt tgagggtaca tgcaattaat tctatcactt cttttgtttc cataatcaga 120  
tttttaaaac gtaatttata actaattntg attacgatta tttcttcttc ttttaaaata 180  
taagaatggt taaataactta attgcccatt ctaaattctc ataaattatt tcttattttc 240  
cgttntatat tctatgtagt gtgtaaggat ttttaacaaat tagtgtgtta gtgatcaagg 300  
ttctctatta atatgagttc ttataagtca cattgtcatt tagtttgttt cttttcaact 360  
gattgtaatt atcgtatgta aaaatcacga tgttggaat ggatgatggg tgggtccgcag 420  
ctattgttgt tcaaaanaaa aatattnngc ggacacatgg tncactagtg agaactatgc 480  
atatcttata tac 493

<210> 8389  
<211> 468  
<212> DNA  
<213> Glycine max  
<400> 8389

agcttaatga ttatgtaatt ctctttatac tgtttctctg gaagaaatta tgcttagaga 60  
taaagatatt agaattgttt cactatttta cttttatagt aaatgtaatc ttattctatt 120  
gtttgagtaa tacactttta agtgaaacaa aatctgtgta aaactgacgg atttgggctg 180

ttttctaagg agaaggtatg cattccataa taattataag tggtaacaaga ataatgtttc 240  
 ttccatttta tctatgcaag taattcttgt ttattgttta tcttcagctc ttactaata 300  
 ctagtatatg ctgggttaatt tcaaggtata tagttagaaa gagcataaag agtgcagaag 360  
 acatagttcg tttccctttc caacagaatg ccaccatact ttacttatcg cacactgtgt 420  
 acagaggcag agagaatctt ccattactta ctgggcacta tgtaagtt 468

<210> 8390  
 <211> 312  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8390

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 attaatttaa gattaaatat atctttaaca gatagtagac ttaattatat tatgagaaaa 120  
 aagtcacgca ttgacatata taaatgtgta ttatactctt actttttttt aacataccac 180  
 tctttttctt atataccact ctgagctgat tatgtaaaag agttaagctc aagtttttct 240  
 tttaatttca tatattacat gttaagctca ttcttttaat tatcttatat aaaaacattg 300  
 attaaatatt at 312

<210> 8391  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8391

agcttgcatt nggaattgag aaagcctcac tctatcatta tgattagtag ctgacatctc 60  
 aaacaaacaa atcaaagta acaagacaat tatagttggt gtttgaatac ctcaccact 120  
 caagtgtatc acacaattat ggcttttctc taatgaaaca ctcttgctt ttaccactct 180  
 aattccctt gagttcttag gcaattcaag agattatggc cacaacaaag aacaattcac 240  
 caatatgtgt aaggtaaggc tagagagaca aggaaaagg taaccaagaa aaggctaaca 300  
 atgggttttag gcacaaatga aggaaataaa attcagaatt tatgaattca agtaacaatc 360  
 cttcatgcaa ccaatatatt accttanaga gatttttntt aaagttctta agcatgaacc 420

attcacccaa tttttntttt ttt

443

<210> 8392  
<211> 362  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8392

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aattctggat aaagcgtcga taaaatgatg caagaccaag gagagatctc acctncgaaa 120  
ctgttgatg gctcggccaa gtcttgatag catccacttt tgtttgatca acggatactc 180  
catctttaga caccacatat ccaagagaca ccacctttc aaccaagaga tcacactttt 240  
ccctcattcc atagagtnt tgtgctctta ggggctcaaa tatttggtca catgagttaa 300  
atgctcctct atagatttgc tatacaccaa tatgtcatca agagtaacaa caacacactt 360  
ac 362

<210> 8393  
<211> 361  
<212> DNA  
<213> Glycine max  
  
<400> 8393

agcttgtaga atggctagac atgatacatg tcttggtttg gtttggctca aggataaaag 60  
ggatgcccc cattatttcc atgacacata tgcaaaaatg atgatttga aactttatgc 120  
aaaactggtc atgcatgcac ctatgtggac actcaagtgt caaattttta tggatcatgtg 180  
atgctagggc tcaggattca tttcctctat tatagtcaac ccaacgtttc caaaatatgt 240  
tcttttatca atttgcgcat tcatccgagt ccatattgag cgtctgggaa aatctttaca 300  
gcattcaccc ttcacgtgta tacacatttt ttcaaaaact aactatgatc agtgatattt 360  
t 361

<210> 8394  
<211> 306  
<212> DNA  
<213> Glycine max

<210>	8395
<211>	147
<212>	DNA
<213>	Glycine max

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agcttgcttc tacagcttgg agattgtatg tatgtactgc ttgttgccga accagtataa      60
aatactggcg tctgtcttct tctctcccta cacatcttta tctttccgct agcgcaactgt    120
ttagattatc tgcttttaca ttttggt                                           147

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<210>	8396
<211>	373
<212>	DNA
<213>	Glycine max

gaagtcgctt atgaatcctc ccgtacttat gccaccagta cctggaaggc ctctcatatt	60
gtacatgaca atcttatacg agtcaatggg gtgtatgctg tggcaacatg atgaatccgg	120
agagaaagag cgcgctgttt actacctaag taagaagttc acgacctgtg aaatgaatta	180
ctccctgctc gaaagaacgt gttatgctct antatgggca tcccatctcc tacggcagta	240
catgctgagc catactacct ggttgatata caagatggac ccggttaagt acatctttga	300
taagccagct ctcaactggaa gaatcgcccc gtggcaagtg ctgctattcg agtgtgatat	360
agtctacgct acc	373

3571

<211> 397  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8397  
  
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 tgtcaataat atcaccaaaa actatcacat taacaaaatc acagcctcta agatttcgac 120  
 aaattattag gtagccttga agcattatgt ttttatgatt ctaactctacc attctcttta 180  
 tatataatac ataactatat tttttaatgt gtaatttatt tataatattc aattatgtta 240  
 tgtaaaaaaa tagttaaaat aattaacatt ataatgattt tagactatct aataatttct 300  
 agtaagattt taatgtataa caaacctgga agcacagaag gctaccacat aatccgtccc 360  
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<210> 8398  
 <211> 392  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8398  
  
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 tttaacaaat atagttggac atacatgatt ataaaaaatg gttatataaa aatttctatc 180  
 tataacttca tttgtacggg tngttaaagt gggctgaccc acccgctta agttcgccc 240  
 gcattggcag cggactgtgt ctgtccgtcc cgcattctta cactgatcaa ataaatagat 300  
 ctgtcccttg ctogtgaacn ccgcgggtca catgagcatg tntgcangca taacttttaa 360  
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<210> 8399  
 <211> 394  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8399  
  
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gtggtacctc aagatatgtc gcgggggtca ggagaccttg nggatatcag gtgggggtgct 120  
 attgcctaaa accaagcttg accaatcccg acccaaccg ggcatagtta gtcagtgaga 180  
 acctgtgacg tacctcaaca ggcgagctcc tggcagtcaa ccgataaaag aacaaagacc 240  
 acaaagcaag gaggcttgtg tgggtggctgg ccagctatgg atcttgagtg atatttgga 300  
 gatagcctct ggtaatcgat tacaaggat gtgtaatcga ttacaaggct taacaatgga 360  
 gacaggaagt taagatggcc tctggtaatc gatt 394

<210> 8400  
 <211> 364  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8400

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 cgtattcttt gaaagatctg tgcccccttt tgcacatggt ctgttgttgt atcctatccc 180  
 aagccattat accgacacta cctagcgaag gcaacaatta ngtccttcca ggaatagact 240  
 cggaagggtt ccaagttagt gtaccaggta acaactaccc cagtaagact ttcttggaag 300  
 gaatgtataa aaaattcctc atcttttgcg tatgccccca tctttngaca atacatcttt 360  
 agat 364

<210> 8401  
 <211> 369  
 <212> DNA  
 <213> Glycine max  
 <400> 8401

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 aggaaggtag catccttgag aagctacagg ggggctactc acacctctcc attagcaaag 120  
 ctgccccca tgccaaaata catgaaaata caatggtaag cttccttgag aacaaggaag 180  
 gtagctttct ttggaagcaa ggaagaaaagc ttccttgaga agctagaggg gggctactca 240  
 cacccttca atagctaaga ctcaccccat gccggtatac atgaaaatac agacaatgtc 300

tttactacaa agattactat gatgcctga atacaaggcc ttaaccctat tctactatgg 360  
taccctaa 369

<210> 8402  
<211> 425  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8402

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actgttcaaa caagctttct gtacaagcaa tcaaacaact acactacaac tgacatttaa 180  
ataactgaaa tctaaagaac taaaacataa agactgaaat ttanatgact gaacataaat 240  
cataaaataa ctgagataaa ctaaactggt caaattgcac aaaattacat gtctgtctcc 300  
tgtgattgct cccgtgcatg ctcatgaga tccaacacct gagcagctgg tgaatcctga 360  
ggaataagct gctctagctc aaatagctgt gcanatggca tggaatcatc acagtatggt 420  
actgg 425

<210> 8403  
<211> 467  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8403

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tggtgaaata ggatctctct tcaaaaaagc atgttttttt taccattgca aaaagaaaag 180  
atthttgttc gaatgaacaa gatatcgaga aattgtccat acgtaaaatc ataattattg 240  
atacaggcct tttccacgta aaaagagaat cttttgttac aatagaagca gaagtgatat 300  
tgattattca agaatcgaag tcaatttgct ttatacattt acataatata tggcataata 360  
gagcctgcga ttctttgatt tgatgtctag tcaaatntca aggtggaagt tatagttctg 420  
aatttatcca tggtangatg ggaaaatgtg aaaaaaagtt ggatattg 467

<210> 8404  
 <211> 439  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8404

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 tacactaaat aactcatgga tgacatttat aggtttacct gaatggatag atatacaatg 180  
 atttaccac caaattggat taagatntaa aaatatatta tgttgctatt cttttcattg 240  
 acttgtaact ataaattgca tgagattctt tcagatctta caacatcatt aaaatgtaaa 300  
 caataaaatc atgattataa ttnccttatga ataagaatct tataaatcat tatattctgt 360  
 ataactaatt agaaattaca tacatcttct atgccagaat agttttagaa atctcaatca 420  
 ataccttctt aattcaacg 439

<210> 8405  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8405

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 ttaacatcgg ttttgagaaa ccaatgttaa catacatatg acaacatcgg ttctccaaat 180  
 acccgatgtt aaacacaatg aacaacagca aaaaaagtgc aggcgatgat aacggtgaca 240  
 tcggttnttc agtaaaaccg atgttaatat gttagtttaa catc 284

<210> 8406  
 <211> 361  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8406

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aacgaatgct tgaagttact ttattaggct gtttcttnt ttttttttac cgatggggtg 120  
 caattttttt cactattttt caaatgggag tagtggttga attatttttc aaaagagggt 180  
 gagttataac agtggttgcga ctttagagtt ttcaagtga acacctgtta tgactttaat 240  
 tttttttaac taaaatagaa aataattcta caatttttagt gtaatttttt ttgacttcaa 300  
 agatataagt ttcttttttc ttttccacta ctctgacagt gtaatatata tatatatgat 360  
 t 361

<210> 8407  
 <211> 343  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8407

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 tggtagctgg agatatgtcg cgggggtcaa gagacctgg ggacgtcagg taggggtgcta 120  
 ttgccccaaa ccaagcttga ccaatcccga cccaaccgg gcatagtcag tcagtgagaa 180  
 cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaaagg aacaaggacc 240  
 acaaagcaag gaggcttgtg tgggtggctgg ccagctgtga atcttgtgtg atatatgggt 300  
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<210> 8408  
 <211> 436  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8408

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 tgaccaaatc ttcaatgcca taaccatgaa tcatcaattg taactctcat ggcaatgcca 120  
 gtattagtag tataacttaaa gcttattgga aaaaacttat atttcctttc tccattttaa 180  
 ctntggcaat ctcttgctt ttgggtatct ttatcataga taatgcacgt atcttcttca 240  
 aggtgaagat aatagccttt ctccatcatt tagccaatgc tcaagagatt atctttatga 300  
 tttggaacta gtaagacatc tttttatgat ctcttaacct tctttgtctn caccatgaca 360

gtgcactttt cttttgactc taccatgggtg gtcatttcca attgaactnt gactctgaca 420  
gtggtcgcaa tttcct 436

<210> 8409  
<211> 468  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8409

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tcacattgtg tttagtgcac ttnttctcgt ttagtttact ttttataccc cctggtgacg 120  
tgcttaagcc attttactta agtcgtttct cgcttaactt aaaaataaaa taaatatcca 180  
ccgaacgttt gaattgtatt atccattaac tttgggttaan atcaattccg accgttcggt 240  
cgtgccgtaa ccacgttgga aatcaaaaag aggtaaaaaa taatataata atcaaaaaga 300  
catcttttat tgaaataaag cggaaaatca attggacatt ttctctttgg gattttctcat 360  
tcttaatcga attgattaat aactaaagt aaactaaagg ctaaaatcaa tccacctagt 420  
caagctcgtc cacaaaaata agcttttgaa gttcgtcatt tcattttc 468

<210> 8410  
<211> 294  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8410

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tatgaaaatt gtttgctgga agaaaatcca agccgaggcg ctctcgtagc gctttcgtga 120  
gtgattctgc gaaggttntc gaccggtctt cgacggtctt cattcgttct tcacggtct 180  
ttcatcttca tctgggtatgt acctgagacc aagcttgcga attcattcta tatacccggtg 240  
gtgggtccaca tgtgggttcca tgtatgttta ttctcgtttc atttactctt tata 294

<210> 8411  
<211> 351  
<212> DNA  
<213> Glycine max

<400> 8411

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ctatgatgaa ttttccttcg agtctttgac atgggtgggt cacacgagag attccgttgt 120  
gtgcacgata tgaaggaatc ttgatcataa cattttgaga tgaagatttc ccactttgcc 180  
aggtatataa atacggcaac gcttaaaact gctacagcac gttatattat gtgttaattt 240  
atatgtgatg caaccgaaaa caccaatgaa tgatcaatct atcatcgtca atccatagat 300  
aagtaggagg gtgatactct aataatgtcg gttactttat tgtattatca c 351

<210> 8412

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8412

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agcctccaaa acggtgatga aatgaaataa ctcaaaaag ataattctca tattcatccc 120  
tctttctgtg aatcattaca tctatttata ctgattctta taacagaatt gctattctat 180  
ggaatattca cgattcaagt cttgtacaat tatctccac ntctagtaat tgctctaaca 240  
gaatgcatat atgcctttta taccatcccg cccctttcag atgtaatctc tgaggtagct 300  
tgggtctctc acccttctct tgggcctctg ctctttgttt tctgaaattg cttggtgcac 360  
cttatcctgc tggctgttaa tctgcattgc tagttgcacc tcattctgtt gattgtctcc 420  
ctctgctatg 430

<210> 8413

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8413

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tggtacctgg agatatgtcg cggggggtcag gagacctgt ggatgtcagg tggggtgcta 120  
tttcccaaaa ccaagcttga ccaatcccg cccagcccgg gcatagtcgg tcagtggagaa 180

cctgngatgt acctaaacag gcgagttcct ggcagtcaac agataaaagg aacaaagacc 240  
 acaaagcaag gaggcttgtg gtggctggcc agctgtgaaa tttgtgtgat atatgggttg 300  
 tggcctctgg taatcgatta ccaaggggtgg gtaatcgatt acaaggetta aaaatgaaga 360  
 cagg 364

<210> 8414  
 <211> 360  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8414

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 ccgcctgagt gggcttatag cctaaacat acttcccacg attttctttg gcatttatca 120  
 ggctagttat gtcgccgttg tctttgcta aacccattcc gggttcgtaa ccgttcccca 180  
 acataactcg ggccatcatt accgctgcat cggacaggca aggctgcca gagaaggagt 240  
 ccatagagga aatgcttacc acctcacaag actggaaagc aggttctaac gattcctctg 300  
 cggcttccac ataaggcata gaggatgggc agctcaccaa gatgtctttc tcgcctgaca 360

<210> 8415  
 <211> 420  
 <212> DNA  
 <213> Glycine max  
 <400> 8415

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 aagttatcta gtctataaat agaagcatgt gtaacacttg ttgtaacttt tgatgaatga 180  
 aagtcttatg agatacaatt caaagttcga cttctctcct tcttttcttc cttcaatttc 240  
 gggctcccc cttctctctt tcttttcttc cattaaagca tcctcttcaa gcttcttctc 300  
 caaggcaatt cttgggtggcg aagatccttc ttccttggct tattccctag aggatggagc 360  
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<210> 8416

<211> 393  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8416  
  
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 aggcaattcc gaaacgtttc cgtgaggaat ttcgcgaagg ttttcgaccg ttcttcgacg 180  
 ttcttcattc gttcttcacg gntcttcagt cttcaacggg taagtacctc acaccaagct 240  
 tttcgattca ttctatgtac ccgtggtggt ccacacttgg tttcgtgtat tattattctc 300  
 gtttcattta ctttctatac ccncttnga cgtgcttaag ccattttatt taagtcattt 360  
 ctgcttaac ctaaaaataa aataaatttc cac 393

<210> 8417  
 <211> 320  
 <212> DNA  
 <213> Glycine max  
  
 <400> 8417  
  
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 gtctctctc atatcaaata tgatgcata ccatcacaca tttgaggcgg gctttaacct 180  
 agtcggacat ctatttcaag catacaaaaa tatttgctct cgcttacatc atgtatacta 240  
 aaaatatgaa tatatacata catattacat gtttgtaatt atacacttaa gatagtctat 300  
 acattcattt atgatcttat 320

<210> 8418  
 <211> 342  
 <212> DNA  
 <213> Glycine max  
  
 <400> 8418  
  
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 atacataaat atgtactata atacactaca cctttatgat tctatgctat gcaattacta 180

ataatttata cataatttga tataatatac aatatcaacc attatctttt acaataaaaat 240  
 attactatac aaatctatat aaacatatga taactatcct atgattttat tttttaatcc 300  
 taaacttatt catttaacat aaactataat actattgacg ta 342

<210> 8419  
 <211> 326  
 <212> DNA  
 <213> Glycine max

<400> 8419

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 ctgtctttga tatttggttag ttgatattgt gttgtgggag gtaattccga ctggattaac 180  
 tcaccatcct tcacttgcca atttgttatg acatttgttg ttggattacc tatgatgtct 240  
 tgtttccaaa ggtagtctat atcctttctg atggcataag catgaaacca atcagagaaa 300  
 aggacattaa ttttgactct atcgac 326

<210> 8420  
 <211> 393  
 <212> DNA  
 <213> Glycine max

<400> 8420

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 ccttcaaagg tagaagtgat ccagatgcct acctgcaatg actacactga tgcgcagaaa 180  
 gtcaagctag cagcagctga attctccgac tatgcccttg tttggtggca taaataccaa 240  
 agagaaatgt tgagagagga acagtgagag gtacatacat ggactgagat gaaagggtga 300  
 tagaaaaagg ttgtgccact actatacaga acctgcgaag aaactcaagg gctgtccaag 360  
 gaattaaccg tggagaatat tataaagatg aat 393

<210> 8421  
 <211> 166  
 <212> DNA  
 <213> Glycine max

<400> 8421

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attgcatcgc tcagcccata ctacgaccag cctctgagat gcttcacgtt cggagatgtc 120  
ctattattac ccaccattga agaattctgag gacattctat gatgtc 166

<210> 8422

<211> 531

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8422

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ccctatTTTT tctattaata ngggggagaa tgtgtttaag aanaggggtc aaccoccttat 120  
gcatttctct ctctctcgaa tttggtgaag aaaattatTT ccgTgaagaa aatcccagcc 180  
gaggcgcttt cgtaacgttt ccgtgagaaa ttacgccgag attctcgacc ggtcttcaag 240  
attcatcggT cggTcttccg tttcttcagt cttcaacggg taagtacctc aaaccaagct 300  
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cgtntcattt gctttntata ccncTTTTg acatgcttaa gccatttatt tangtcattt 420  
ctcgcttana tctannaata naataaacct tcaccgatcg tttgaatgta tcgtcaatca 480  
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<210> 8423

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8423

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ttgatatata ggaagcttca catccagaaa gaatgtaatt tctgttgcaa gacggacaaa 180  
acgaaatcaa acttcaatga tatattaaaa aatagtcaat gaaatacata attaacatta 240  
tatatactga tagaaaaatc gatagaacac tcaattcttg ccacgattta ttaaataaag 300

ggaaataatg tctggtacga aggttaatgc tcgaatatta tacacgaagt atccttggcg 360  
 ggtntccggt aattccttaa ttntattcat ttcttgagct atatgattat ccaatcaaaa 420  
 caagacanat acgattcg 438

<210> 8424  
 <211> 275  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8424

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 tggatatctgc tctagtttca tcagctgaga gaacattcta gagccatcaa ccagaaaccc 180  
 aaaagggaga agggaaagga aatgaaaaga aaagttagaa ttagacaatg cagctagaaa 240  
 atagaaatac caacaaacat ggacctatgg acatg 275

<210> 8425  
 <211> 497  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8425

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 ttactaaata caccacttg ctttntttg ctaattcttt ttccgtaacg ttatgaaact 180  
 ttacgaattt cgtaacggtta cttgttttcc ttccataatg ttacggaacc ttacagatta 240  
 tgtaatcatc ccttttttgc ctttcggaat gttacggaac tttacggatt gcgcactaac 300  
 actctctttt aatttccagc atgtcacgga acttcacgga ttgtgctaca atgctttctt 360  
 ttgacttccg gcatgtcttg gaacttcacg aattgcctaa cgatgggtgc caagtacctc 420  
 gaagtgggtca aacgaggggc gcatcccaac aatgggatag tcccggacga aaatanggta 480  
 tgacaatgat tatatga 497

<210> 8426  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8426

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 aatgaggggtt tctatgaatt ntacgttntt caccgaaatt tggctctata tccatttcga 180  
 tagccatttt ttatgtggat tctaaagtcc atgcaaacc cgtttcccta ttgtgtttta 240  
 aataagtgat aagacctttt aaatgatcta 270

<210> 8427  
 <211> 481  
 <212> DNA  
 <213> Glycine max

<400> 8427

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 cattactgta gaagaaagcg aattctgata taaaaaaaaaa tggtaattca gacaaaaaatt 180  
 ttcacacata ctccggacat gacgagaagc aattgaatca gcaagccaac aaaatttctc 240  
 tatctcatta cataagagat atctgagaaa ttatgtacgt acaccaatct ctcttaatta 300  
 taaggtctga ctatgaatca tttaatattc tgtattaaat acttttaatt atttaaaaaa 360  
 accaaaacta aataaactga gctctttata taataaaaac actctctatg ttatctaaga 420  
 taaattgatt agtttgctta accataactt tagcatactt gccttaattc tgatatgcat 480  
 g 481

<210> 8428  
 <211> 402  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8428

caaaaaaatt tcttggactt ttactgctgc ttttggttcc ctgttatatt tcttggactt 60

ggttactcac cttgatgact tgaattatng cataatatc tgggtgggtt cctgggtttg 120  
gctgattctc ttattgggtg gtaatcaa atagaataa aatgattatg gtgttcaaca 180  
ataaagcaac atcagtaatt agtacgtata agtaattagc atttgaactt ctttgggtacc 240  
tttgaactgc ctgaagcgtt aattaattag ctggggattc aagtcttgaa ggagattgaa 300  
aaatcgttca tggccaagag aacaaatgct atctncctta gacctttcan ntgtgataat 360  
acaatacata tatattatat ttataattta tcatagatat at 402

<210> 8429  
<211> 490  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8429

ntctcaatta agaccaatca ctcaactatg gtattctttc ttctgatgca tccacaagct 60  
actataccta gtattttaaa cctatgcagg ttttagttag tattctctgt tagtctcggt 120  
tggttgtacc accactcagt attctaaacc tcttcaagtt gcaactcaata ttcgctaagt 180  
ctttataacc tctatccaag tattatttca aaaagtctct tcaagtttca cacccaaagt 240  
aacaactact acttgaccca aacaacagtt gttgtgttca caccaactta agaagcaata 300  
attcccgtgg tgatcttcta agttatttcc tctatcttaa ggagctcgaa cactatgcaa 360  
ttcgagattt ccttntattg tgactcctct gatgaaggtg tttacaaata ttctttctga 420  
atatgatcaa tgacatgtaa agtttaaact tgacgatgaa acaagttgca acaaggtaa 480  
atgagttggt 490

<210> 8430  
<211> 460  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8430

agtttctcat ccaccanaaa gccaaaaagt aaacgtaata accttcagtt atagtatcgc 60  
ttaatttggt ttgaggagtg ggagtttatt atataatgac tcgtaaaaaa tgaaagcata 120  
tactccatat agtgatcttg atctatttgg aactgcacat gtaatgagag gaaggcatga 180

gcatgaccca ccttgcttta taatagcagt agtagtttat tatgtcagcc aacaccgcan 240  
 ataccanaga aaagaatcat gcttcatttc cctaggtggt tgggaaaagt catcgccaca 300  
 atatagttta catggaaaca ttaaattaga atttgggtata gaaggagagg gagacagaaa 360  
 gagagatgtg gtgatggacc caccacgtg caggcccat gaactcgatc gtcactagtc 420  
 ttcatgcgcc accacaaccg aaggaaacct atatactatg 460

<210> 8431  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<400> 8431

tgacaatcta atgtagtca acgtccttt ggagtggcac gaatgatata caatacacat 60  
 tctcattgaa gattagatat ccatggagtg acttctatga cactacaaga gaagaattat 120  
 tgaacatggc aatataggca acatatat tttatcaa tttcacattt tttatcaatc 180  
 accgccaatt gtttaatttt ttgttagaat attaacgtga agatttgaac ctataacctc 240  
 tatcccttgg tctttcattc tctgaatgtc aattatcaaa cacatcttat cagttgcttt 300  
 cagactcatt ttatatgccg attata 324

<210> 8432  
 <211> 317  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8432

tcactcaatg gataatgtat taccttatct taatcactca agaatgactc ttggcatctc 60  
 atggaaatcg tgtacatcaa gccacaatt agtattgttt ccatttgaat tntctactat 120  
 aaatgggttaa agtacagctt tgcaaaaaat ggatattctt gtttttttat caaaactagt 180  
 aaatactatc ctaaaccact tgattactgt gctaactctc ctagaattaa gtgtaaccaa 240  
 agtgaacctc acacagagat cactctcaca tagagctaaa ttacactgtc actcagtgtg 300  
 caacacaact ttgtcat 317

<210> 8433

[illegible]

cttcttccgc	gtacgtgact	tctcaccatc	taatgcatag	gtgcagtgga	tattagataa	60
ttgaattgac	taaagctatt	tgtatgaatt	gactaacgct	ttattcacat	ttataattag	120
gcatttactg	gatgtccatg	gcttcgttga	aatatattta	ggatataggt	atacatgttt	180
tctatgtaaa	tccatataag	tatataaatt	ttttatttga	tatatatgta	taccatatat	240
ttatctaatz	atatgtttga	tattattggt	attattttat	attaatttat	atatatatat	300
atatatatat	atatatatat	ataatgaact	ctatgtgaat	attttaatat	atttatgtta	360
atgttttttag	tacgttaatt	acttatatat	atattaatgt	gtataataca	tataattact	420
tacatatata	tataatgtgt	gtaactatct	atgcatgtat	atatataata	tatat	475

<400> 8434

catgcaagct	tgcaagttca	ttggttgttg	atccacatat	tatctactcc	acgatgaggc	60
aagtcttact	tgaaaaatat	ggaaccatac	cttcaaata	tatgcaattg	tatctggcta	120
aaagaaaagt	gcttaacaca	aataatggta	tacatgatgt	atcatataat	gatttgccac	180
catatgcagc	tgctgctcca	cataacaatt	gaagaagtat	aatcaaattg	agtatggagc	240
ct						242

<210>	8435
<211>	501
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      8435
```

3587

atgtactaat gccggacgga tgaagtctca ctacatttgt tgcagtgctt gatacgctac 240  
gataatgtta ttgatgcatg cgaaggacca gatcgttcat gttggaagtt aaaggatgat 300  
aacatactta tccgcgcgta cacgttcacg tttatatgtt ccatatgtac cccaccgtga 360  
cagattgcga tccactatcc aataaaaatg cggctaatat gatcgacaca atatacttat 420  
tatcatactg aactcatata tatgacaagt goggacccgc atacatcact cgacgaatta 480  
cgtattcaac atattgatcc n 501

<210> 8436  
<211> 276  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8436

taataacaaga tcttttgcgc atctgttctt gcgccttcac ccttcctcat tcatnngcat 60  
atattattct ttctgctgcg atacagatcc gacgacgagt cctgtgaagg tactaatacc 120  
atggacccga ctgtcgattt cgggcgagaa gcagatcaga tggatgagga agaagacgac 180  
ataggggttat ccccgagat ggaaaggatg gccgcccaag aggaccgagc attgaagccg 240  
caccaagagg aaacggagggt catatatctt ggtgct 276

<210> 8437  
<211> 488  
<212> DNA  
<213> Glycine max  
<400> 8437

tattgaagat cctaactg tccagagatt caaataatat catgaaaacc taatgcacaa 60  
tatgttatac cacatacgca gcacactttt gttgatttat catttaagaa tgaattcaac 120  
atcatatctt tgaataacct ttttaattgat tttctatcat ccatgagcat aaaactgaat 180  
agtttatctt cccaccccca aggagaattc atgttttaaat tactttactt ttcaccatga 240  
tgatgttcat tctataatct tatataagta aaataaaaatt actttataat ctcaccttcc 300  
tggtctttac taaaaattaa atacaataaa atttaccaaa aaaaatgtaa ctgcaattac 360  
ttcatcaata aacaaaaagg aatttcaatt agaaatacga cattaaccaa aattgtgaga 420

ttacaaagaa ttagaataaa aaacaagtgg tataacaatcg tcaactaatc actcttacaa 480  
agttttaca 488

<210> 8438  
<211> 295  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8438

gctatctttt tcctganaaa aaaatcaa ataacatgc cctacttccc taaaagtgtg 60  
catttttaag tgtttgtgcc atgaaaagta aggaatagca agcaaagtac ctcttttgaa 120  
atcccgaatt gggagaaatc ttctgcagca ttgcatcc tgcaagcaat ttagcagag 180  
aatgatgatg cattggtttt taaattggaa aagcgcgtgg tgaaaaaagg aatgaaaaac 240  
cttaagaagg gtgaaggaat cgtaatcggg tggaaagtcg aaaccttttt ttttt 295

<210> 8439  
<211> 435  
<212> DNA  
<213> Glycine max

<400> 8439

ctatgtggcc ccacccgatt tcctggaatt tggtcttctt tgtgcatctt ctttgatttg 60  
attaagtctt cattttatat gcaagatagc ttacgaaaca agttgaagta taattagtcg 120  
ggccaccctc tctttctatt atttgattgc tattcggcgt tggtatgcat ttaccttctc 180  
tctcttttat tcatttgatc gtgtgagttg tatacaagtg ttgcatacta ctggcagcaa 240  
tttcttcttt acacgagaga aagagcgaga aaacacgccc cgtacaaatt tcaaggcctg 300  
gaaataaact tcttgatgca tactaactac ttatcgaccc actctatatt gggtagccta 360  
acttgctact actgtcgcgt gtatgcttat gggtgtttct acttctccat cgacgcttga 420  
atgctagcta cactt 435

<210> 8440  
<211> 429  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 8440

agcttgagaga ggatgcttca atggaggaat agatagaatg acagaaagag agagggggga 60  
gcacgaaatt gaaggaagaa naagggagag aagttgaact ttgagttgtg tctcacaaaa 120  
ctctcattca tcaaagttac aacaagtgtt acacatgctt ctatttatag agtaggtagc 180  
ttccttgaga agctttctta agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240  
gagaagctnt ctttaagaaaa cttccttgag aagcttcttt gagaaaactt ccttgagaag 300  
ctatagctta gctacacaca cccctctaata aactaagctc acctccttga gaagattcct 360  
aaataagtta gagcttagct acacacacnc tgtataatag ctaagctcac ccccatgcc 420  
aaatacatg 429

<210> 8441

<211> 395

<212> DNA

<213> Glycine max

<400> 8441

tatttcgatg atgccaaaga ctcaagtcaa gaatcaagat tcaagccagt cttatgaatc 60  
aaagagtcgt tctatctgga atcaacattc aagtgaagaa tcatgagaag actcacgata 120  
ttcgagaaca tcaagaacag catcgagaca agtataaaaa gaattttttg aagaaaagat 180  
tgaatagcag aatttgtcca acagaatttt tgaaagaaga atcttttata gaagttttta 240  
ctctctggta atcaattacc atgacgcagc aatcgattac cagaagccca aaacaagttt 300  
ataaatattt tacaaagtag ctatcgatta ccatgggcct gcaatcgatt accaatgttt 360  
ttgaacgttg gatttcgcaa ttcaagagtc accac 395

<210> 8442

<211> 245

<212> DNA

<213> Glycine max

<400> 8442

cttctttgag aagctacatc cttatctatc caccctcta ttaactaaat taacttcctt 60  
aaaaataatt acggatgaaa ataacgcaac aaataatcaa acatcaaaca taattactaa 120  
taatatatag atatatatat cagggtgtta cacatcatat attgagacgc tcgaaattga 180

acaatggaag ctctcgaaaa attaaaattg tcataaattt tcacacggat gtgcgatcag 240  
gcaca 245

<210> 8443  
<211> 383  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8443

tctgttggtc aactttgagt gtctcgatat attatgctcc tgaatcgaac atccgagtga 60  
naagctatga gcattcgaat ttcttgagag cttacgctgc tcaatttcga gcgtctcgac 120  
atgtgatgtt cctgaatcgg tccccgcgt gtatagttat gaccatctga atttcacgag 180  
agcttccgct gctcaatttc gagggcctca atatgtgatg tgcctccaac atcccagtga 240  
aaagttatga caattcgaat ctctagagag cttccatcgc tcaatttcga gcgtctnccg 300  
atattatgcg cctgaatcgg acatccgagt gcaaagctat gaccatccaa ctctcttacc 360  
cgcttcatag ttcgatttcc acc 383

<210> 8444  
<211> 373  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8444

agcttatcca gaggatgtgt tttatttaca ttcacgtgtt ntagaaaaag ccgctaaatg 60  
aagttctcaa ttaggtgaag gaagtgttga atgacagttt ggggtttctc ggagcttaca 120  
atgggtgagt ctgcttgatg gctggatttg acatcaaatt ggatcaatat cacgaataaa 180  
aatatctgag ttatctaatac gattataaag caaacgtgtt gtggaaaaac gtttgaagac 240  
acggactgtg ttttattcca tcttgagtgc agttgttaca gttgttggtt gctatcacgt 300  
atgggttttg ctatgataat ctaagtgaca cttacaaatg aagatgaact ccactctaata 360  
agttcacgta ttg 373

<210> 8445  
<211> 436  
<212> DNA

<213> Glycine max

<400> 8445

tctacttcat agtctaccac attcatatga tcaattcatc atcaacatta ttgtcagtcg 60  
tctaacccttt gatgatgttg ccagaactat tcctaaagaa gaattctaac aaaagaataa 120  
gaaagatacg caggaaaatt ccaagcatgc aaaggcttta atgatgacga aggtagatca 180  
atgtaatgtg gctctaattg gagttaaaat catggcagat caaagtcttg aagaagaaag 240  
aacctcatat actataattg tggcaggaga tgacacttaa agaaagattg ttggcctaaa 300  
aagagtggag gagataaact atagagaatc gagctctcaa cgttgtgttg ctagcacctc 360  
acataatatg gaagccatgt gtagtgaaac accaattggt tttagagggtg gaagacaact 420  
tcatgatcgt tggata 436

<210> 8446

<211> 341

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8446

aagaaaaaaaa gttacgagtt gggacaagac cttgcccaat tcatgaatgt cacaccaaaa 60  
tcttgaaaac tgattggaag taaaacttgc atcttttata aaattccatt attatttgaa 120  
gggcatataa aaaaaatggt catagtagaa gaatttacac tatttaatta aaaaatgttt 180  
ttctaaaaaa cacccacatt taaaaatgta gaattgatta caaaaaanaa tgtagaatca 240  
aattttataat aaataaatat acagaaatac ggaatgagag ggaaaatatc cattaaatat 300  
atatntagct ntatacatgt tgataagtta ttagttattt a 341

<210> 8447

<211> 469

<212> DNA

<213> Glycine max

<400> 8447

agagtgagtc attatgaaac atattcttgt taccctacta tctttttgta tagtggaaga 60  
atctccatat tagagaatta taatcgtgtg ctctattac tacctttaat tactaagtgc 120  
ctatcttagc tttcccaaca gtaataatag agtttagttg tgaatttgag aaaaagaatt 180

atgcacctta aaaagtttta tatagtcatt caattataat tattatatat gataagttta 240  
 ttaattttta taataattat cttaaaatag ttcaaacata aatctatgat tgaatgactc 300  
 taaaattatt gtatatgcat tacattctct gaattgtgat agattagttg accatttact 360  
 aaaattgaat gtaactttta tctattagta tcgtaaaaat ctacaccttc aagtcaatca 420  
 atcaaaaacc attgttagta tcatatttta caatagctat gggcatgat 469

<210> 8448  
 <211> 556  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8448

nccccaggg aggtcagcga cctanagtac gagncnncn tanantnnga ncnnganngc 60  
 ntgccagact ctaacggcac agttggccgt ctaaccggaa cntggtttac tttcatcatt 120  
 aatgggcnta aagcaatcan aggcttgta tagcctctaa ttctataaat aagagaccaa 180  
 attaccgttt aagtgagcac cggctcgctt agccgcatgc accaaaaatt ctacaaaact 240  
 aaattggcct tgggcttaac gagacagact tgcttagccc agacttattc tcaatagagg 300  
 catgctatgc ttatcgagcg tggcttattt ctccaaaatt tcttagttcc ctgtagaaa 360  
 cttcagcttg accatttggt gtggatggta tggtaggcta cttgtgtgga cattgaatgc 420  
 cttancacct tctgaagctg gttgttgaaa agtgagagcc ccacctgat tangaccctt 480  
 gacacccaag cgagcaaat actttcttca gacttactat aatttacatc gtctttgggc 540  
 agcactgctc acccat 556

<210> 8449  
 <211> 188  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8449

tactaagctg ctgtgttaca tacctgctca cgatcagtn gcggatcttc tttctagcca 60  
 ccctcatcca ccagatttca gcttattagg gacaaactca aggtgtttga gctctctgaa 120  
 gctcaccac ctttaagtttg gggggggggg gcctccctc atcctactca cttttacctc 180

ccctcctc

188

<210> 8450  
<211> 454  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8450

tccccgacga gcttcttctt cgcgaggctt ctctggcagc ccttggaccc atttgcattc 60  
gaggtaggtg gccttcttct tagctttggt tttggtatgc actacattag ggtagggttag 120  
tggaacctta tggtagaaaa cggaacctta tgatagaaaa cgaaacctta tggtagaaga 180  
cgccngaaaa atggcgacag cttggtgacg gtggctcctt tccgaagacc cgttaggggt 240  
tcttcttgga cttccggaag atttccgaaa gaatagttgt tctggaacca ttgaaacgtc 300  
tttcagaagt actggtcttt cngaaagctc ccggaacacc tattccgata agttccggaa 360  
caagtgggtg ttcttgaaac attccngaen gaaggttctt tccgatgacc tttcanntgg 420  
ttccgaagca cttttcggaa gagcccttct ttct 454

<210> 8451  
<211> 436  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8451

ggataagagt agtaaagat gaagtgatac ctttaggcaa tgatgcactg ccatgaaatt 60  
cctgaatgcc ttcacaaata tcagctccca tcgtgctcca acaagctttg aaaaaatcga 120  
agttgaagct gtatggtcca aggcctttgt ctccagcaca gttcaaaca attgctttga 180  
tctcttcaca agaaaatgga gcttctaacc aattactatc ctcatgctt atctgtttga 240  
aatccacctt ttccatctgg ggtcgtgaaa catagttctc cttaaagcat ttagaaaaga 300  
agcgtttaac ttctttctta accctacca catcttcaat ataactgcat cagaattaac 360  
gcactntagt ttattcttct gacattctgt tcaaaggcaa gagtggaaaa attgggtatt 420  
gataatccca agtttc 436

<210> 8452  
 <211> 311  
 <212> DNA  
 <213> Glycine max

<400> 8452

tttcgagcgt ctcgatatac tactgtacac aatcggacac ccgagttaaa agttattgtc 60  
 gtctgaaatg gctcacaact tttgtttcaa ttacgaacgc tttgatatat tacgggactt 120  
 catcggacat cccagttaaa agtttatgtc gtttgaattt gcttaaagct tctgttttca 180  
 atttcgagcg tctcgatata ttaccggact caatcggaca tccgagttaa agtttttgtc 240  
 gtttgaattt tctcaaagct ctctgtttca attacaaagc gtctcgatat tctacgggac 300  
 acattcggac a 311

<210> 8453  
 <211> 488  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8453

ntctacaaaa tcaaacgaac aataacttta actcggatgt ctgattgagt cgcgtaatat 60  
 atcgagacgc tcgtaattga aaacagaagc attgagcaaa ttcaaacgac aataactttt 120  
 tactcggatg tccgattgag tcttgaata tatcgagacg ctcgtaattg aaaacagaag 180  
 ctctgagcaa attcaaacga caataacttt ttactcggat gtccgattga gtcccgtaat 240  
 atatcgagac gctcgtaatt gaaaacagaa gctctgagca aattcaaacg acaataactt 300  
 ttactcggga tgtccgattg agtcccgtaa tatatcgaga cgctcgtaat tganaataga 360  
 agctctgagc aaattcaaac gacaataact ctttactcgg atgtccgatt gagtcccgtg 420  
 atatatcaag acgctcgcaa ttgaaaacag aagctctgag acaatcaaac gacaataact 480  
 ttttactc 488

<210> 8454  
 <211> 362  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8454

agcttcatgg ngtttctga attgngttat caaattactc aggtgggttat ttgagcaatt 60  
 atgcaaaatt ttattttctt tctcttccc atctcatgtg ttggaataaa ctatactaca 120  
 cggtttctct gggttttgat cttttcttct tcttttgtca attttcttgc tttgttgcag 180  
 catgaagttt ggtctaattgt atagattctt cttgtctgtt tcttttttgt aggatttgat 240  
 tactactgga tgctgactt gagttgtgtg aagtgatgaa ctgtgtttta tgctcgtttg 300  
 ttttcaattg tttctcacga tgtgttattg ggaggggttg agtgctatgg agtntatatg 360  
 tg 362

<210> 8455  
 <211> 98  
 <212> DNA  
 <213> Glycine max

<400> 8455  
 tttttaaagg gtaaattact catgtgatct ctatagtttc aagattctta cctctttagt 60  
 ctctatagtt tgaaagcggc tgtttttagtc cctatagt 98

<210> 8456  
 <211> 375  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8456

agctntgagc anattctaac gatagtaact cttttctcgg atgtccgatt ggggtcccgta 60  
 gtatatcgag acgcacaaaa ttcagaacaa agcctctgag caaatcaaa cgaaagtaac 120  
 tttttactcg tatgtccgat tgagtctgc aatatatcga gacgctccaa attgagaaca 180  
 gaaactctga gcaaatcaa acgacaataa ctttttactc ggatgtccgt atgaatcccg 240  
 taatgtgtcg agatgtcgt aattgaaaac ggaagctctg agtaaattct aatgacaata 300  
 actttgtact cggatgtccg aatcgtaata tatcgtgacg ctcgtaattg anaacagaag 360  
 ctcttagcat attct 375

<210> 8457  
 <211> 488  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8457

cttcattntc aattacaagc gtctagatat attacgggac actttctgac atccgagtaa 60  
atagttattg tcatttgaat ttactacgag cttctgtttt caataacgag cgtctcgata 120  
tactacgaga cacaatcgga catccaagta aaaagttatt cctgtttgaa tttgctacaa 180  
gcttccattt tcaatttcaa gcgcttagat atattacggg acacaatcgg acatccgagt 240  
aaaaagttat tgctgttaaa attttctaag agcttatgtt ttcaatttcg agcgtcacga 300  
tatattacgg gacttaatcg gaaatccgag ttaaaagtta ttgtggtttg catttgctac 360  
aacctttcgt tntcaatatt gagcgtctcg atatattacg ggacacaatc gaacattcga 420  
ataaaacatt aatgtcgttt gaattgctat gagcatctgt tctcaataat gagcgtctcg 480  
atatacta 488

<210> 8458

<211> 379

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8458

tggcagtatc atgctccttc tatacctgag cgtttgaatg tcgtatcggt gttgatacaa 60  
cctgtgtgca cccaaatcat gtcgacaaac accatgaaga caataatagc ttatttttca 120  
taatgagggt ctcgttgatg ttatgctcct gctaagaaac ctatatctgg ttttcttgct 180  
aacaacattg ttgtcgtgta agcttgtagc attgacaatg ggacacaact gtcgtaaagt 240  
tgacgacaca cattatcttt ctatttctat gttcctaaag gttttcattc ttgacaaaag 300  
aatttggtgg tggaacacat gcttgtcgta tcngatgtca tataagcgac gatgggtactg 360  
gccagaatca tgactataa 379

<210> 8459

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8459

agcttgtagg attatggngg acccgtcata tgtggtacta ggtggcgatc gggagatggt 60  
gcaaatacaac tctcccatat ccacaaatca cacatgaacc caccatcccc agttgcccac 120  
cttcaactga gctcgcgtac cccacgtag cccttattct cgttcctctt agcaccaggt 180  
cccatcaac cctccaagc ttccacaata tccaaacatc atgaactacc ctaaaccaag 240  
aaaacagggc agaggcaaaa aaactctatt caaaacacat tccaatacca ca 292

<210> 8460  
<211> 459  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8460

tcttgcgtag cgcctcttgg agtcagaaa atcccaataa caaatccctc ttattactag 60  
ctattctgaa ttctttagtt cctgaatgta caaccttcaa attgttgctc attcccctct 120  
ttgttttctg caaaaaagaa aatcaatatc aaagaaaaca tggatgaagc cctaaggatg 180  
ccatgtacat gtgtatttct gaagatatag tatttatatt ccatcaagca tacattgact 240  
gctgattaca tgtaatagac tttttataac atgggtgccc caaatcacia ttaanaagca 300  
caactaccaa tctttcagag tcctttgggt aatttgactt gtctccttct gtggtggggg 360  
tctaattaat aatattatac ttttgcttc caaaaaaaca cttatgacta atcctctttt 420  
cattaatcct attctgtatg ttattggata caagatcat 459

<210> 8461  
<211> 418  
<212> DNA  
<213> Glycine max  
<400> 8461

cgatgatcct cgtaccgccc gcgtccttga gtcacctggg ctgcagctta acattcattt 60  
cagcggttaga ttattacgga ctcatcaaca tcgagtagat gttctggcgt taaattgctc 120  
ggcctccagc ataaatatca gcgtcgtata tctacgggac tattcatata tcgaaaaaaaa 180  
gttgtgcggt tgaacttgct aaaattcaca tcctctcgag tgctcggttat atacgggcca 240  
atatacatcg agaaaaatta ttgtcgtgga tcgcattagc ttcatatcat acacggctga 300

taatacggac taacaacatc aaaaaagtat ggcgatgatt tttataactta cattaattga 360  
 cggttataat acggactcat aattccacaa agttttgtcg tacttgtaac tcccatct 418

<210> 8462  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8462

ntaagcaaatt tcaaacgaca ataactatctt actcggatgt ctgattgagt tccgtaatat 60  
 atcgagacgc tcgctatcga atgttgaagc tgtgagccaa ttcaaacgac aatgactgtt 120  
 tactcggatg actgattgag tgccgtatta tatcgagacg ctcgaaattg aatgttgaag 180  
 ctctgagcca attccaacga caataacttt ttactcggac ggccatttca ctgaccgatt 240  
 atatcgggac gctcgaatt gcatgttgac cctctgagct aatacaaacg acactaactc 300  
 tttagtcgga cgtctaattg agtcccgaat ataacgagac gctcgaaata gaatgttgaa 360  
 gctctgagcc aattcaaacg acaataactt ttactcggga tgtctgattg agtcacgtaa 420  
 tatatc 426

<210> 8463  
 <211> 362  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8463

agctntagtc aaacagaata atccanaaat gtcttagaat tgggtgttga aaaagcataa 60  
 caagactttc tgtgattggt ttaaagatac aatctttgca gatgagaatg ctttataaac 120  
 attaagaaaag ctagcagatg ggccataaag aaatgttata acttgacaag gatacgacat 180  
 aaacaagtat tcattttaca caaaagcaca agatgacaaa agttcaatgc ataacagcgg 240  
 ggtcacccta agggctgaat ctcaacactt tgcaagtgtc aatgacgcca atccctgtgt 300  
 agcttccatt cctttacttg ggttcataga tgaaaattgg gagcttaact atgtgaaatt 360  
 tg 362

<210> 8464

<211> 460  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8464

tgcatggatt tacattctcc nctttctcaa gcaaattctt aattcttctt gacatcatca 60  
 aaatcttcat gatttacatt ctccctcttt ttgatgatga caaccacctg taggttagga 120  
 gcaacaacaa agaaaatata tatttgcata tagtttactc ccccttggtt ttacaatgat 180  
 tgcttatatg agacaattga agatttcata tttttcatat ataaaaagtt gtctcataaa 240  
 acaatagata atctntctta ctattgtatc ttttatcttt ctcttccct ctgtcaacat 300  
 caaaaacaaa tcatgaatag aaaggagaaa gatgttacca ctctgtgcaa tgtatgagaa 360  
 taagtgtac caacaggcat taaaacaatc attcaatatt aatcaagcaa aaacaagtac 420  
 actaacacat caatcaaaca caatcaaaca ccatcaatca 460

<210> 8465  
 <211> 218  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8465

tcttcattct tcacatgtac gtacgttctc ctggacttga ttttctaaca taataataaa 60  
 acacctgttt gatagattta ttattagtta ttattatcca atattttaag tatgttgtgt 120  
 gggttaaata ttctatgtga ttttaagactc agattctatt ntaaataagg ttaattacta 180  
 ttttagtctt tgaatttgaa gagtgtattt tttttagt 218

<210> 8466  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<400> 8466

caaccgttgc tgggacaatt gtttccgctt acatagtata cttcagttcg caaacagtca 60  
 ttcattattc tttagtggtt tcttgcgat agttagaatc catatattat gtcttgactt 120  
 ggatagatgc tgctctgtat agctgcttct tgtttgcgac gctcaacttc ctcggaatt 180

tagctccatc tgatctagag attgaagcta cttgtctgag atgcatcaca c 231

<210> 8467  
 <211> 297  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8467

agcttatgga tgctgcagnt atattaacgt catatatgac tctgatcact ttttagatac 60  
 tttgcactca ttagaaagct agtattttgc agaaacctca atattgtcga tacatacaat 120  
 gatagggcag caggagttaa acaccatgtg taaattaata ttatgggtcc tattacttta 180  
 ataacactgc ttagactctg ccatattaat ataagaactc acattcggaa agttgctata 240  
 ttttggttag cttttcatcc acctgcatag agaattattc atatacatat gcattaa 297

<210> 8468  
 <211> 185  
 <212> DNA  
 <213> Glycine max  
 <400> 8468

caacaagctg agtgggtaaa gcgcagaga tagattctgc accctttatc attcaggaac 60  
 aacaagttga gtgggttaa ac gcgcagagac agattctgct ccctttatca ttcaagagca 120  
 acgaggcggg tgataaacgc gtagagacag attctgcacc ctttgtcatt tagatttcac 180  
 aaagt 185

<210> 8469  
 <211> 479  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8469

tctagccaaa tggacttacc ttgaattaat tctttgtagc tccttttgag cttgtttcc 60  
 cttttccttg ttttgaagct cactacaagc cttaagtga aaaccatgat attaccatat 120  
 ccttaaggaa ttttggagct tttgaattgt tttgggaata agtgtggggg gtttttgttt 180  
 cattggacaa cttgttttgt tggctatgct tcatgatgta ttttgggcca tacttgatgt 240



caatgagaat at

492

<210> 8472  
<211> 294  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8472

gctcctgaat atgacagcca tcgttttagg agtgctgagc accagcagcg cttcgaggcc 60  
attaagggat ggtcattttt tcgggagcga cgcgttcaga tcagggacga cgagtatacc 120  
gacttccagg aggagatagt tcgccggcgg ggggcacgcg tggttacccc catggccaag 180  
ttcgaccag acatagtcct ttgagtttat gccaatgctt ggcctacagt ggaggggtgta 240  
tgagatatgc gatcctgggt gagngggtta gtggatccca ttcgatgcgg atgc 294

<210> 8473  
<211> 467  
<212> DNA  
<213> Glycine max  
  
<400> 8473

tctacttatg tggcagggcg ggcttccttc accttcttgt ctttaacgcg aactttgacc 60  
attattcttc cttcccgga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120  
accatacttc ccacgatttc cttgggtatt tatcaggcta gttatgccgc cgttggtttt 180  
tcctaaacct atcccggtt cataaccgtt cccaacata actcgggcca tcattatcgc 240  
tgcacggac agacaaggct gcccaaagag ggagtccacg gaggaatgc tgaccacctc 300  
aaaagactgg aaagcagttt ctaacgattc ttctgcggct tccacataag gcatggagga 360  
tgggcagctt accaagatat cttcctcgcc tgacacgatg accaagtgcc cttcactat 420  
gaatttcagc ttttggtgga gtgtagaagg cacaactccc actgagt 467

<210> 8474  
<211> 347  
<212> DNA  
<213> Glycine max  
  
<400> 8474

agcttataag tgcgggtctg ggagacgaaa gtcattgtgt cgcgatatgt gaagatgatg 60  
 ttccaagaac tctggatttg gtccgaccat gcccttctga ttttcagctg ggaaattggc 120  
 ggggtggagga acgtcccggc atttacacaa caagcataat gtaaaccctt acgggtttta 180  
 aagctctata gttgggccta ggcttttagag ttttcatttt gttaaggctt tgtgtctttt 240  
 gtctttgaat ttataatata aagatctttc ttcattctgt cctggctctt acccattctc 300  
 attcatttgc atgggttactt ctttttctaa aacggcagat ccgatga 347

<210> 8475  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8475

ctaagcttga gccaaatcct gactcaccat anaccttgac ccaggtgaga atgccaatcc 60  
 ttaccctcgg aagcaaaaaa aaggagaaga gaaggaaaat ttccaatcaa agaggaagca 120  
 taaaaaggag agaaggaaaa tttccaatca aagagaaaaga aaagaagagg aaaggaaatt 180  
 cccaatcaaa gagtggggaga aagaaaaaag aaaagaaaag aaagaaaact cccaatcaaa 240  
 gaatgggaga aggaaaaaaa gaagtaaaaa agaagaaagc tcttgggtcaa agaaactaga 300  
 agaaatgtgc agaaaggctt tttgaccgga cgatatctga acaatacaga attgtcacca 360  
 aatgaacaaa aaaagaagga aaggaaacca cgacctataa tggctcttct cctttaatta 420  
 ccaacaaaa t 431

<210> 8476  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8476

agcttcttat ccaagacact ctcttagtgg agaaactcct tcttcttagc ttattcccta 60  
 gtggatgacg ccttccactc atctcttctc ctttatcttc cgctgcatct ccatgggtgga 120  
 aaatcaccat tgatggacat tattgaagct caaagatcca gtctccatag aagcttcaca 180  
 agcaagcttc gattagtttag accacaaatt tcattttatt taagggtaaa atataattct 240

aaggtaaagt ttgcgctttt tttatcgta caagcataat attataataa tcacttcaaa 300  
aagtgacaac ataantaaaa gagatatata taaccattta ttaattacaa tcataatgtg 360  
ttatacaata aaattatcaa aataacatct ttcattacct agtaaacaatg atcatgtacc 420  
atcattacaa ttatccaata tat 443

<210> 8477  
<211> 272  
<212> DNA  
<213> Glycine max

<400> 8477

cccgcatag tcggtcagt agatcctgtg atgtacctaa gcaggcgagc tcctggcagt 60  
caacacataa aaggaaaaca agaccacaca tccacgaggc ttgtggtggc tggccacctg 120  
tgaattttgt gtaatatgtg agatatggcc tctggtaatc gattaccaag ggtgggtaat 180  
cgattacaag gcttaaaaat gaatacaaga ggctaagatg gtctctggta atcgattacc 240  
aagggatgta atcgattacc aggcttgaaa ac 272

<210> 8478  
<211> 317  
<212> DNA  
<213> Glycine max

<400> 8478

cgctactaga acacacagga gtccacttat aagtaaggga tgagattatc gtaattgggg 60  
ttagaatgaa catctgtagg aatccttacg gtatcaaatt gaggccttatt ttgggatgtc 120  
tattgtatcg aaattttgcc tgtatgatca tgtaaaattg tgtgaggggt ttactcccca 180  
tggattgaga aacattgttg ttcaattcgt ttgtgtttat gataatatta acgtgataaa 240  
tattgggatc atgaaataat gattgacaat atgtataagt gataaattta atatgtgatg 300  
aattgtggga caaatg 317

<210> 8479  
<211> 460  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8479

tanagggatt atttagatgg aattcttcta gtataacttt attcaatgat gccataactca 60  
 tatccatattg atctattctt gacaacagaa atctattgct caataatgtg agatcctgtc 120  
 ccagcaatga atacaaatat atatgtgatc attatattaa agcaaataca gtttacggcc 180  
 caagacaaaa taaatagata taacgcccac acaaagtgtc attcagcaaa aacaagtgtg 240  
 aaattatcct agaattagca accaaattag tagttctaaa gagaattgtg atatttacgc 300  
 ttttgtacca agtaaagtaa attatgaaat accttctttc tattctattt tcattttctt 360  
 tagcctgaca gcctcacata aaattaatag gaagtaaagt tcataaggag cttgacacta 420  
 ctcaacctca ggagattcac gactatcata gcaaaataac 460

<210> 8480  
 <211> 570  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8480

ttatattcac tgnrcantca ccaacttaat gattctaaat cttcnttaca cctctntctt 60  
 cntnncccg gcaggggtgat gcnttgatct actanccgc gacctnnana nncnacctgc 120  
 aggcattgcaa actaggacta tntaatctga taagctctat aatttttgag ccaccattta 180  
 attaaaaaag taggttaggc cagactttat gtaagccagg acgtaagccc ctgctcgcat 240  
 ggcccggcct attctcacc ctaagaatag ggatttcgga atacatcggc aatccacaaa 300  
 taaatatgcc aaagacctat tccaaaatat ttacttatgg catcggttg gcacactaca 360  
 tttatggcac ataagactac atctgaaaag gaatgagtca agccgaacaa agctcacttc 420  
 atggcgtggt ggccaagcac acatagcaaa acctgctttg aactgggcgc ccaaaggaaa 480  
 ggaagtgcg tgctcgtctg accgacgaaa gaacgcagag gatattaaat tatgagggcg 540  
 gaacaatttc taacgagatt cctttaatcn 570

<210> 8481  
 <211> 362  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8481

actatacaat ctcaaccttg ggaatagcct acatatcacg ttctgtgcgc gctgtattgt 60  
ctaataccaat anaaagcaca cggtactaac tgaaactaag gtgcgtgtgg attatcgttg 120  
aaaccacgct gcacagagaa attgcatggt ccaacgcaaa aattatcaag caactatgct 180  
gtagctttca tacagtatgt tgcagctggg ttcaattgct tctcaaacac acaccaagtg 240  
ccaacagagt tcgcattacc tgctctgaca aggcggcac atcatccaag ctatgagagg 300  
tcactttctc agtaatatga ggtccatttg cttcaagtat catcctctca cgaaaaataa 360  
ta 362

<210> 8482  
<211> 338  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8482

agctttctccc gcaattttct ataaataggg tgagtattga agtagaaaaa gggttcagccc 60  
cttaagcact tctttctctc tcgaaatagc tgaggaaaat tagttccgtg aagaaaatcc 120  
aagccgagggc gcttgtgtaa cgtttccgta acgtttctgt gagtgatttc gcgaaggttt 180  
ttgaccgttc ttcgacgntc ttcattcatt cttcatcgnt cttcagtctt caccgggtaa 240  
gtacctcaaa ccaagctttg taattcattc tatgtaccgg cggnnggtcca taatatgggt 300  
catgtatttg tattctcggt ntcatttact ctttatac 338

<210> 8483  
<211> 475  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8483

tctacttatg tggcagggcg ggcttccttc actttcttgt ctctaacgcg agctttgacc 60  
accgctctta cttcctgcga tgcttctctt catatctgcc tgagtgggct tatagcctaa 120  
accatacttc ccatgatttc ctttggcatt tatcaagcta gttatgccgc cgctgtcttt 180  
gcctaaaccc attccggggt cgtaaccgtt cccaacata actcgggcca tcattactgc 240  
tgcacgggac aggcaagctt gcccacagaa cgagtccacg gaggaatgc ttaccacctc 300

acaagactgg agagcngtt ctaatgactc ctctgcggcc tccacataat gcatagagga 360  
 tgggcggtc gacacgatgt cctcttcggc tgatacgatg accagatgcc ctctcactac 420  
 gaattctaac tgcggtgga gtgtagaggg aacaaccctc actgagtgga tccat 475

<210> 8484  
 <211> 440  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8484

ccatatatta tataagatct gaacaagata agataagatt ggatgaaata aaatctccat 60  
 tagactagat aagaatggat gaaataatct ctcaatgaaa taaactcctc atcagatcac 120  
 aattaataaa ataaaattgt ctgctctctt caagttcaag cccaattccc ggatccaagc 180  
 ccaattgctt ataattctcc ctgaattaaa ataaaaacac acaattagtc cagtaggccc 240  
 caatgataaa aatgcataat taatttaacc attaaggcta atcggttaatt aaaatggtga 300  
 caaacacggc tacgaaatan gagaaaataa tgacacctct ctttgcaata aatgccactc 360  
 tactnncgaa ttcttgaaga tatgttgatg atgaaaatac atacctcccc ccgacacttt 420  
 gttgggaaag cacctgcccc 440

<210> 8485  
 <211> 385  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8485

tgttcttgat tgttcctcag ttattctaca cgcattggaga catttacttg gccttcattc 60  
 aactgccctt gggcttgacg gccacgctca acaaagtact ttcgagacct actgtacggt 120  
 gatttcgcca atgctgttat gggaatgttg cgacgatcct ttaaaacctt attgaatcat 180  
 tctaagaggc tcgatgtcat gtgggcataat cgacgccctt ctctatcgta cagcatcgac 240  
 cgtttttcct ttgagatgcg atcaatccat gctgctatgg ctggactcag atcacaaatt 300  
 ttctgtaaatt tgtgatgacg acatgtgatc gcatggagtg tccgctgcat aaacttagtt 360  
 atgaataaca gttntaacta tctat 385

<210> 8486  
 <211> 489  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8486

taagtcacct gaggcacgca agcttgataa tgatccccta tcaatgataa ttctatatta 60  
 tatatagtgg agcagctatt tgtgaagaat aaatggtata tgtacgaaca ataatttttt 120  
 ttatatgttg ttatttaatc agaaatgatt atacataata aatttattaa tatttataat 180  
 aattaaataa aaagttatat taatattttc ttatttaacg ctatatattg taaatttgac 240  
 actaataata catgtatatt aaactcattn tgaaatcttg aacgcttact cattctaggt 300  
 ataatgtcac actgaatggt tggagtaaca agaggtgaaa tccaagacaa aagttntatg 360  
 atagggaggg aaattangta tagagaccta tatttaagaa ttatgatcaa tagtaacttc 420  
 taaattattg gtatagaatt tatcaagtct tttttaacgt aatagtagca tagagtagag 480  
 tttatgata 489

<210> 8487  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8487

agcttgtcct ctccgatgga agaataccgt gacatatgtc tcctgggcct tataaaggac 60  
 aatgaagtca aagtcaacct atgcttgtag ctactncatg ccaattgaat ggccacagca 120  
 acccaagttc tccaccctgg tgagtaatac cttgcacttc tcttcacctt ttccttaaca 180  
 aatgtgtacc tgaaatgttg tgtcacatac ttcacgtcct gtgctataag gccgaacgcc 240  
 tcgggtggttt ccaacgtgat gagtgtggat 270

<210> 8488  
 <211> 287  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 8488

tacccttcac agtcgacact gatgcttctg caaacggaat ggtggcaatt ctgtcacaac 60  
atgactcacc caattaaagc ttttcatgaa accctttact cagaaaacgc atcggggcgtc 120  
tacttactga acacagctga ntectactcc cacctgggtg aagaaatggc gactatatat 180  
tctcggacac agcttcacac atcttaactg atcatcctag cttgatacaa gctatgaccc 240  
acgtcgccca aactctacag aaccatacct acttagtgcg attaatag 287

<210> 8489

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8489

agcttctaag tcattttctg cttatctctc acacttaact nngaaaccct tttgttcatt 60  
actaaacaag ctaaaatcac aatcacaagc aagatgtact atctacatgc tagaaagaaa 120  
taaaatgaga aaagagaagg gaaagaaaag tcggggtgcc tcccagtaag tgcttcttta 180  
acatcactac cttgacgcat catcctgata tccacgatcc aataatgttc ccacttccaa 240  
gaccttcttc tcacgtcttc tttcttccat cacatgaacc ttatgataga tattccggtc 300  
agggtgctct ctatcattac gaaatagatc aaagctgatc ttctgatctt cta 353

<210> 8490

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8490

tatggacaat aaaatacgcg gtattgagaa gagcattttg aaagaagctt ctgtgcctga 60  
tgctgagaaa gatgttncac tatcttacac cccgaatggt tctgtgcctg atgatgagaa 120  
agatgattct acatcttccg gcctaaatgc tgaggggactc cctttatcca cgggagaaga 180  
atcaacagaa gaagaggatt tagccctaaa tgagactcct gtaacgcggg cgcctgaagc 240  
tgctgcagtg aactaatgac ctgtagacat taatgtgtga agaaccattg ccacacgtgg 300  
ccctcgttt 309

<210> 8491  
 <211> 360  
 <212> DNA  
 <213> Glycine max

<400> 8491

aaagctaaaa ttcattcata tatcttagaa accaaaatca gcttctatct aagagaaaat 60  
 catcttcaaa gtaggtcact taatcatgaa aaactctaag tttcatattg gacaaaataa 120  
 cctcatgagc ccctttcttt tcttatatat agaggagacc aacaaacat atatgaccaa 180  
 agaattaagt ggaattagtg ttaggcaaga agctcctcaa tcaatatttt tatatttctt 240  
 tttgagtttt caaactcaag gaatttagac ggcttgagaa tgtgttttaa atcacaatca 300  
 agtttttgtc ataataagaa gtgtcgtgga tatcatgggtg gacaaagcca ttgggtcaat 360

<210> 8492  
 <211> 487  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8492

tagcgtgaaa gaggcatact gagactcaac tctctaataa atacatcata agcctgagta 60  
 tctcattggt gggagcctga cagaccaacc tcttgtaata taactcttcc ttactatcta 120  
 tttaatgcaa tcttgcgttt tattgttctt ttatgtgatt tgttgctggt gattgttgtc 180  
 tggcaactca tactcatgca ttgttttagaa aataatacat tgaaatatgg ttattttcta 240  
 aagaattggg aaaggacatc aatatgaaat cattgctagg aataaactga tgtttgttta 300  
 gcctatttca tgcatcttta ttcttaactc aatttactat tttatctcta ctaaggaatt 360  
 cgggaaagaa aatagataaa ttangcttat catgcggcga acccaagata gagtatcata 420  
 gtagaggtgg gtganaaccg agataacatt agatagagaa aaattattaa agtcgcatca 480  
 caagtag 487

<210> 8493  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<400> 8493

gtagtcaaag agaagttcaa gtccatagcc atcaaagtct gaagagagta tgatgaacta 60  
atggacgtca atatggtcac cgatgaagcc ttggaatgag aaaccagaa tgcccgaag 120  
gaagaacacg accaaaacaa gttttgaggg gctttatatg gcagcaatag tgagctcaag 180  
ctccgaagag gtgaaaggaa tcatcacggg tcataggcat gatctg 226

<210> 8494  
<211> 463  
<212> DNA  
<213> Glycine max

<400> 8494

tagcgtcaa taatgttctt gtgaattcga gtaactaacc tgcgaattca caagacacga 60  
tttcacacga gtaaaagaca ataaacccat acaaaaaagt ggattacaag tatcatataa 120  
agatttatga ttttcgcgtt ataaagtcga aattactttc acgacttact tttaaacaaa 180  
aattaattca caaaatacct tatttaataa ttttgaaaaa aattatccca aatgataaca 240  
aaaacccatg tagcaccttc aagttctacg gtcacctctc tcatttatag aaccaccaag 300  
attgaattta cagccattgc ccatagatca aagtacctca gctttctgaa tgtctcattg 360  
gccatatcta gttccggaaa aactcttctc tatttatcta ttggaatctt caccaaaaga 420  
gatatagaca cacaatctta tgagtcctaa gtctgaccca tag 463

<210> 8495  
<211> 328  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8495

tgcaagctgg aatcatttat cctatctect acagccaatg ggcgagtccc gtccaggtag 60  
tcccgaagaa gaccggcctc acagtgataa aaaatgagaa ggaggagttg attcctactc 120  
gggtgcagaa caggtggaga gtctgcattg actataggag gctgaaccaa gttacaaaaa 180  
aggacaatth tcccctgcca ttcattgacc aaatgcttga acgcttgga agaaaatctc 240  
actactgggt ccttgatggg ttttctgggt atatgcacaa tactattgct cctgaggatc 300  
angaaaagac cacattcacc taccctt 328

<210> 8496  
 <211> 479  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8496

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 ctcaaggaag ctacctagtc tataaataga agcatgtgta acacttggtg taactttgat 120  
 gaatgagagt cttgtgagac acaactcaaa gttcaacttc tctccctttt tcttcttca 180  
 atttctgtgt cccccctctc tctttctttt cctccattga agcatcctct ccaagcttct 240  
 tatccaaggc tcactcttgt ggtgaagctc cttcttccaa ggcttattcc ctagtggatg 300  
 ggcgcgcttc ttacctcttc tcttttgtct tccgctgcat ctccatgggtg aaaaatcacc 360  
 attaaaggac ctcatgaag ctcanagatt cagcctccat agaagctcca caagcaagct 420  
 tccatcaagt ggtaatcaga gcacaagagc ttcaagtagg tgctccttan acctccatt 479

<210> 8497  
 <211> 345  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8497

agcttgatgt gtttggtgaa gctaataaaa ttatgctcaa tattgaggta acaactttcc 60  
 atttgaggta ttntatgctg ttcttctgct atatatctga agccaccag aatgaacagt 120  
 ttacttttg agtctgattg gttcttttcg tgcaaactcg gttccatggc caagataatg 180  
 tctaccaggc atttctagcc atattgaaga tgcacaaaga cggaacagg actcccctgc 240  
 agcttacgag gaggttagcc taatatttta tggcagtttt atattgggtcc ttctattttt 300  
 cttacacttc ttttgggaaa ctcatthaat tattttattga acttc 345

<210> 8498  
 <211> 466  
 <212> DNA  
 <213> Glycine max  
  
 <400> 8498

[illegible]

gtaactaact aactaaaaca actaacacta atatatagag tgactactca caaggaatgg 60  
atgggccttg attangctca tctaattctat ttaantaaac taactacaca acacaaaacc 120  
taaactcaac ccaattattc aagtga 146

atgatgatgc tcgtgatgtt tatgtgctga aatttatgat ggacacactg ctacagatga 60  
agggttagagt taacctacgg ctagaaagcg 90

agcttatata gaaagttcgt tcctaatttc tctattattg catcacctct caatgagata 60  
gagaagaaga atgtggcatt tacctgtggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaacagc ttactacggc acttgttcta tctcttctg acttttctaa aacttttgag 180  
ctacaatgtg atgcttctgg agtgggagtt ggagctgttt tgttgcaagg tgggcaccct 240  
attgtcttat ttagtgaaaa acttcatggt gcgaccctta actactccac ctatgataaa 300  
gagctttatg ccttaataag agcactcaga acttggaac attacct 347

<210> 8502  
<211> 382  
<212> DNA  
<213> Glycine max

<400> 8502

taagaggtag gacggtgcta atggatgttt tccttgatat cttatggtag aaagattgtt 60  
taagaaggag tgcccttttg atatcacctt ttgttgcaaa atgattctcc ttcttaataa 120  
tcttcttgga ggaatccttc tcctctcttt ccttcccctt ggcctctaaa gacaaggcct 180  
tactatcctt gcttttctag tttttcttcc ttatccctct tacctttcat agttagtcga 240  
tctttggcca cctgtgaagg tgtttgacga tgctacacat atacagtgcc aagatgggtg 300  
aggtgtattc cactcgatac gccatctgaa aagatcttca tataaatcga catggccttc 360  
ctagaagaat atgtcctgcc tc 382

<210> 8503  
<211> 168  
<212> DNA  
<213> Glycine max

<400> 8503

agcttgactt ggcgatttga ttataccctt attttactt tagttattag ccaattcaat 60  
taagaatgag acatcccaaa gagaaaatgt ccgattgatt tttgtgcttc atcttactaa 120  
aagatatatc ttcttataat tatattatta ttatacctct ttttttta 168

<210> 8504  
<211> 342  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8504

cttcgtctta cagacagcaa caaataatgg ttatactggt ctccactcga gtatttccgc 60  
cagtcagcgt gactcanatg tgagtatgac agatcttggt agcgcggaag atgacgtaaa 120  
tctccgcgtg ccaacgggct tgtcggctga gattgacgaa gggcgcaaaa gacgacgtta 180  
gtctttgctg gctatcaggc ttttcgtctt acagacagca ccaaataatg tttatacgga 240  
tgaccactcg ggtatttccg cctgtcagcg ggacttaaat gtcagtatta cagatcttgt 300  
gagcgcggaa tatgacgtcc atctccgcgt gtcaaccggc tc 342

<210> 8505  
<211> 313  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8505

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taaaaacggt attgtcgctt ggaattgctg aaagcttcaa cattcaatgt cgagcatctc 120  
gatataatttc gggactcaat cagacatccg agtaaaaagt tattgtcgta tggaatttct 180  
gagagcttca acattcaatt tcgagcgtct cgatgtatta tgggactcta tcagacatct 240  
gagtaaagaa gttattgtcg ttggatatgt gccagagctt caacactcaa tttcgagcgt 300  
cttgatgtat tac 313

<210> 8506  
<211> 436  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8506

tgcatttgga attgcgaaag ccccnctcca tcattatgta ttgttctctgc tatctcanac 60  
aaacaaatca aacgtaacaa gacaattata gttgctgttt gaatacctca cccactcaag 120  
tgtatcacac aattatgggt gttctctaata gaaacactct tgcctttttac cactctaatt 180  
ccncttgagt tcttaggcaa ttcaagagat tatggccaca acaaagaaca attcaccaat 240  
atgtgtaacg taaggctaga gagacaagga aaagggttaac caagataaag gctaacaatg 300  
tttttacgca caaatgaagg aaataaaatt cagaatttag gaattcaagt aacaatcctt 360

catgcaacca atatattacc ttacagagat tttnttatta aagatcttca agcatgaacc 420  
attcagccca atttta 436

<210> 8507  
<211> 268  
<212> DNA  
<213> Glycine max

<400> 8507

aaacatgctc tatattcacc tcccactcca aggaaggcct cggatcattc ttttccttta 60  
atggaggaat gctgagttta ataccatcaa ttcggttttg tctaagaaca ccatcattcc 120  
cttcttctct cctttcttct tcattatgat ctctattctc catttgaacc aacctctcat 180  
ggagcgcacc atctcgttgt ttcataagacc tctccaaatg ttgcatcata acttgcattt 240  
ggaatcgcca aaacctctct ccatcatt 268

<210> 8508  
<211> 518  
<212> DNA  
<213> Glycine max

<400> 8508

ccgtgtgcat ctgtcctacg aacagaacac taagccttac tcgatgtgcg gcgtgcgcac 60  
accacataga tactctgcat atttaacaga cgacgctctc cacagagcca tatggatgatg 120  
acgtcttcac tatcgtgtaa cactgcggcg caagacagta ttgagatata ttgaagaacg 180  
tcaactgcaa ttctccagaa attcacacgg atttaagtgt gaactagcat gtaagaccct 240  
cgcgcatact atatgcagac tcttacaata ggagccgcta tgttcctaata aacactatca 300  
ggttatgact cttaatgtcg caggccaaat cacgcacctg acttatgtcg aggctggcag 360  
tctaacaccg agaactctct agagatctca atagtattag cgtgcaactc cgatgtgcgc 420  
ttcgagccca tggaacctca ccatcccaca ggattgcgac cgatgctcta agacaatata 480  
tggctctctct ttcacatgat ggccacaaag ccctgtcg 518

<210> 8509  
<211> 411  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8509

agctntgatg ttgttattgc aggcaatatc acatatagaa acagcttatg ctttcgttgg 60  
agagagctct gcaaccaa at cctttataga gaacatggaa gaacaatatc ttatatgcaa 120  
aggggaggca cttgtgaagg gagttaggat agggatatat cacacagaga gtttctattc 180  
tttggctctc attgtatggg ttggagttgt tgtgggttaga gccgaaagag caaccccata 240  
agacataatg actgtcgtga tgagtattct ctctgggtgcc atgtaaggaa gacatcacct 300  
tcacgattgt ttagaatgga gaaaatgggt aataattaat aactaagtaa caatagtctc 360  
cttgtgaatt gcatatctct cacttacgca tcaccagaca tgttnaatat t 411

<210> 8510  
<211> 312  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8510

agcttctcca nagaacacag gatcatcatc atactgcagg atatccacag gaaccttggt 60  
cttccccacc aggaagcttt tgaacatgt ttgagatact tgttgctca taaaccctgt 120  
taggccttca gccactaaat caaagagaaa agggggccaaa ggatctcctt gtcgcagccc 180  
tctttgaggt ttaaactctg aagtagggct tccattaaca agaatagata tggaagctga 240  
agagaacagg cctttatcca tctaattccat ctctcatgag accccattct cttcatatat 300  
aaatgagaaa tt 312

<210> 8511  
<211> 294  
<212> DNA  
<213> Glycine max

<400> 8511

tcttgaacc tcaccgcgca ctctttcata atacggagac tcctgacacc catcaagtgt 60  
accctttct atgtctctctg gacatgaata cgcttggttg gtttgcacca accacgcgga 120  
tatgaatgga aggttctctg ccacttcatt ggctctttaa agtcgcatac ttcactatat 180  
tattgctcgt atcttactcc ccagatcttc aaaccttgca cacgtttctg aagaagatct 240

tatagtcatg tgggcctttc atatcgaccg accaagcgat tggggccactt aacc

294

<210> 8512  
<211> 405  
<212> DNA  
<213> Glycine max

<400> 8512

agcttgccga tatagcagag cttgctgtga gagagtatcc aagtgagcgt ccacctatgt 60  
cagatatagc atcttggttg gagcaaactg tgaaggacgg attgatctta tagcattaat 120  
cattgccctg tgagaaactt gtttcgaatt ttgatccatc cacaatatct tctttttcat 180  
aaatttctgt gagtaatgct ctcttctgcg attgtaaaat gttttgagtt tgttgtaaatt 240  
tgcttatctc ctttgtagta gttctttggg tttacttttc ctaatcttca cgaagtgaag 300  
gacatggcat tattgcaaca tacacacatt gctgtgaatt tttttcctct catataagcc 360  
taagaccatt ttcagcatatc agatagaatc aattacatgt caaca 405

<210> 8513  
<211> 375  
<212> DNA  
<213> Glycine max

<400> 8513

tctctagcgt ggcgtgcgta tgatgatcta cttcagatga attatactct ggcgctgac 60  
gaagctgtgc tattagatgc tgagcaaaaa agatcgacac acaatgcgtt gcatgaatgg 120  
ctgagatata cacagcatgt gttccgcgat gcccaaaaca tattccacga ttttgagtgt 180  
gaagcattgc acaaccgcgt tgtcgacact cagggtagca tttcagagaa cgcgcccgg 240  
cttgactaat aacactatca tttatcgctt tacaatgacg catgagatac aagacattaa 300  
catgaggctg aggaatgtcg catatgatag attcgcatctt gttggccttg acatcattgg 360  
tggtgatata cgtgt 375

<210> 8514  
<211> 463  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8514

ttgagcaatt canatgggtca taaatagtca ctcgagggtc ctattcacgc acataattta 60  
 tcgagacgct ctaaattgaa caacggaagc ttcataaaa tttaaagtct cataactttt 120  
 aactcggagg tccgattcag gcggataata tatcgagacg ctccaaattg aacaatggaa 180  
 gctgttgagc aattcaaag gtcataaata gtcactcgga ggtccgattc aggcgcataa 240  
 tttatcgaga cgctctaaat tgaacaacgg aagctctcaa gaaattcaaa tggtcataac 300  
 ttttaactcg gaggtccgac tcacgcgcac aatatatcga gacgcccga attgaacaac 360  
 ggaagctctc gagcaattca tatggtcata acttttaact cggagggtccg attcaggcgc 420  
 ataatatatc gagacgctcg aaattgaaca acggaagctc tcg 463

<210> 8515  
 <211> 366  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8515

ctcaatagtg taatggttgg acacatcaca aatgatagta ccactttgtt accatattac 60  
 aattagagtt ttaagtacaa taagaaaaga aaagagacga aaataactaag aaattgatat 120  
 tgacttgaca tgatgtgatt tgctaaaatg tgtgggatatg atatataaaa tcaaaagcat 180  
 caaccctttt taaggaaaaa aatcataaaa tattagaaaa cattttaaact aagaaaatag 240  
 aagataataa ggaaataaag aaactaatcc taaataccaa ttaaaatgct ctatgatatg 300  
 acaaagatna ctatggatat tttcatatac tttaccaant attagtctat gtaaagcaag 360  
 aatcat 366

<210> 8516  
 <211> 493  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8516

aaggtagtca tacctcacia tatatatata tgtatgttta tgtagaaaga taccttggat 60  
 atgcatgtat gtaacaaaaa atatacttca caaaatatat atatgtatgt ttaggtagga 120  
 agatacctta gatatgcatg catgtaaaca aaaaatatac ttcacaaaat atatatttgt 180

atgttttaggt aggaagatac cttagatatg catgtatgta aacaaaaaca tacttcacaa 240  
aatatatata tgtatgttta ggtaggaaga taccttagat atgcatgtat gtaaacaaaa 300  
aatatacttc acaaaatata tatatatata tatatatata tatatatata tatatatata 360  
tatatatata tatatatatg tgtgtgtagg gacgaagata ccttatatat gcatgtgtgt 420  
aaacaaanan atacttcaca aaatatatat atgtatgttt aggtacgaag ataccttata 480  
tatgcatgta tgg 493

<210> 8517  
<211> 352  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8517

gcttatgcg c atacttcttt acgaacgttc acttgacaaa gacattctta taactaagaa 60  
aatgcaccc atgtacaatc aaggcacctt cgttacctag attatttata tgtacttcca 120  
aggtgtatgt gttacctaca tctcatgcac ttccttggtt aaatttacat acatgcgtac 180  
tcaaagcatt tggggtacca aaaattgcac atgtgcacat tccggtatgt ctaatactta 240  
tgcataatac aactttgtga tgaatcttgg ctatctacac aataaggtga tacatttcat 300  
gctntattca agtggttttg ctacctaaag ccgcatgcaa attcaagtat ag 352

<210> 8518  
<211> 476  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8518

actaagcttg caactcttac aacanagatc gatcattntg aagtaattca cttagtatat 60  
ataatttgtg caagttgttg ttgttggtgt tgtgcaattt gtccttcgtg caatctccat 120  
tatgatgttt cacatcagat tctaaaactc aactttcaac aaaaaaaaag catctccaaa 180  
tgttttcaac ttcattcgtg taacgaaccc tcagtaattg tgattcatat ggaagatgag 240  
atgttgctt atgtacaaaa ttgatactac aaactcaaag caagtaatcc tgatgtagtt 300  
tctgctacaa cttcattctg attctggctn ttcatagtag tctctaagtc ttcctcttag 360

agagaccttc ttaatgtctt tgatactctt tcaaaaagag aaattggggg agtcgccact 420

aacatttatt taagacaaac atatggaaaa caaacaataa ataacgaatg atctac 476

<210> 8519

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8519

acgtgatagt tgcnttggtt ttctttatgt tgtaattgag attgagtcta gatttgcatt 60

tacaaaaagc actttgtgtg aatgtaagaa tgtatttggc ttctcttaaa ttttttattt 120

gttattctgg caaatgttag ttattagttt gtgagttctc tcacttcatt tcttccttta 180

atcaccaaac caaccttata acttctttgg tttctcttag ttattaacaa gaaaatcaat 240

tattgatatt tgaacatggt catgatttgt tatgcatata cacataacat tatgagctct 300

ttgantttnt aattaatgac tgagataact taatttacct tttagagtga attgctcact 360

acaaaggagc tagatcttgt anggaatgaa gctntangtc tatacactgg tttttaattt 420

tactttctgt ataacaatca tg 442

<210> 8520

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8520

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gattcttttt cttgggaatt ccaacggcat gaatgagttg ataattgggt gattttgatc 120

cacaggtcac tcaattgaga tttgaagcca aggctccaat tatgtggtaa attatgacta 180

ttattgttgg caacacctaa aggacatgac aacttcacga cgagcattta agatagatag 240

aacaatcttg gttcagatct ggctggagag actgcagcag ccatggtagt tacttccatt 300

gtgttaagga aaaccaaccc acattactct cacttgcttc tacaccaggc catgcaagtg 360

agtcattact caatgctttg tgtcctagag atcacaattg aatgcactat tatactntga 420

attaaaaata aaatagatta gtactgcagg tataattcaa tctacgtata gtatatatat 480

actact

486

<210> 8521  
<211> 299  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8521

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aaagaaagga ttataggctc acagagtgtt tgagggttat attgagtaaa aacctcaaga 120  
gcattgctcg tacctttggg ttggactcta ttcttttgt cttatacatt aatcttccat 180  
cgcacttttg tgcttttctt gcaaaaaatg aagatctttt gcctctcttt ctcttcactc 240  
gcctnttgca gatangattt attatgtttt ttattgctac ccaacttcat gcatgtgtt 299

<210> 8522  
<211> 379  
<212> DNA  
<213> Glycine max  
  
<400> 8522

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ggactcaatc agacatccga gtaaaaagtt atgggtcggtt gtattggctc acagcttcaa 120  
cattcaattt caagcgtctc gatatgttac gggactcaat cagacatccg agtaaaaagt 180  
tatggtcgct tgaattggct gagagcttca acattcaatt tccagcgtct cgatatgtta 240  
cgggactcaa tcagacatcc gagtaaaaag atatgggtcgt ttgaattggc tcagagattc 300  
aacattcaat ctccagcgtc tcgatatgtt acgggactca atcagacatc cgagtaaaaa 360  
gttatggctc tttgtattg 379

<210> 8523  
<211> 469  
<212> DNA  
<213> Glycine max  
  
<400> 8523

agctgacctt ctggctctcc tcatagttgt ggcattgagat ttcattgctct attttcatct 60

cccagtcgga gtaggcctcc ggatcattct ttcttttaa tggaggaatg ctgagtttaa 120  
taccatcaat tcgggtttgt ctaggaacac catcattccc tcttctctc ctttcttctt 180  
gattatgatc tctattctac atttgatcca acctctcatg gagcgcatca cctcgttgct 240  
tcattaacct ctccatatgt tgcacacag ctgcattcg gaattgcaa agccccactc 300  
catcatcatg attagtacct gacatctcat acaaacacat caaacgtcac aagacaatta 360  
tagttgctgt ttaataacctc acgcactcac gtgatcacac aattatggct cttctcta 420  
gaaacactct agcctcttac cactctaact tcccttgagt tcttaagca 469

<210> 8524  
<211> 271  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8524

agtgaacttt atagcggggg tgatcacaga atggaaggat attccagttg agcttttgat 60  
gcagattttg tcaacttggtg atgatcaaac gggtatgata gcttctgaag tttgtcgtgg 120  
gtggagagag gcaatttgct ttggcctgac tcggttatca ctctcatggn acatcatctg 180  
tttttttacc ttcccttcta atgctttatt tcaactttga gggtattatg cttgtggagg 240  
cagtgaatat tgaaaagggt gatttttttt t 271

<210> 8525  
<211> 474  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8525

gaagaagaag aagttcaaag agattcttgg cttgtaaagg attgtaatga attgattgga 60  
tagaaagatt ctttataaga ttgaatgaat aattgaatcc aaaacaaagc ctgcctttta 120  
tagactcttc atgtctggtc aagaggacca ttttgaagag ttataacttt tagaaaaact 180  
tacaaccaat ttgaaaaagt cgtaacccat ttgaagagtt acatcttttg atttattcag 240  
aaacaatcac tgataatcga ttaccaaacc agtgtaattg attacacaaa gcttttatgt 300  
gaaaggatgt gactcttcac atttgaattt gaatttcaac gctcaaaggc actggtaatc 360

gattacaaa acattgtaat cgattacaaa tttctgaaat caattggaac gttgtaaatt 420

catttgaaaa ctttttcaca tccattntgc tacaggtaat cgattactat agag 474

<210> 8526  
<211> 407  
<212> DNA  
<213> Glycine max

<400> 8526

gcaagcttgg cttctacttt tattgccgac gttttatgat gtatacaaac atgccactca 60

actttatcat ataacattca taaaactaat atatatatat atatatatat atgcttggcc 120

aacatacacg cctgggtcacg aaattacagt gctttaattt ggaagagagg attgaaatta 180

attcaggatg tgaattgcga aatatagaaa taaactaatc agcgtgcaac aaccggggtt 240

accttggctg agcaattact tgtgtgagca ttataaattc tcttacctt actttaattc 300

ttatgggaaa agaaactaat ctatccacaa gtaagtcatt gatttgaatg tattacattc 360

gaacttttag tgactatttg gattccaatc tgaaaaaatg tgacgat 407

<210> 8527  
<211> 475  
<212> DNA  
<213> Glycine max

<400> 8527

gtaatcttca ttacctaatg gtttattatg ctccattttt ggactatatg tcatcaaaga 60

ctaaaatttg tgctataaag gcatgcatat ctatgaggac agaattggaat atccaacaat 120

cgctactatc tctgtagata aatgaaacgg aagctacatt tatttctggt ggctgaaca 180

tgctagtaag taattccatt gagatctgac cactatatac atctttaatg agatatatcc 240

accaataccg gagagaatca gtctatgaag aataatatta ccatgatgca atacaacaaa 300

gtagaagaac tggccataac ttcattcgtg ctaaattaat taaaccaaata acatatttaa 360

tgggtataac ttaattgaca atactagata gagctcgagg gaaaaaaact accatacatt 420

tccataaata cattcttgtg aagggatgaa acatgttaag atgtgcgact aagat 475

<210> 8528  
<211> 342  
<212> DNA

<213> Glycine max

<400> 8528

cttatctctc acatggattt cggttttctg ataaagaaaa aactaaccct ccctttggaa 60  
ggaaagttgt ggtattatga ggaagattta gaaaaatact tccaatcatt ccaaaagaaa 120  
gaagataagg tgttgttcat gctagcatta attcataata atctttgcct ttatgtaagg 180  
ttcttacttt aacaaaaaat atgagtcctc aatcaaggtc ttctaataaa catgtttctt 240  
aattgaaaga atttgtaa atgggtgtgga tattggaatg aaactattgg tgagattcat 300  
gacaaagaaa atgccattga cattccatct tatatgctta tt 342

<210> 8529

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8529

agcttcctta agaagattcc taaagaagct tgagcttagc tacacatacc tctctaataag 60  
ctaagctcac ctctcgaga tgagaagcta gagcttagct acacaccacc tataatagct 120  
aagctcacc ccatgacaaa aaacatgaaa atacaaaaaa agtccttact acaaagacta 180  
ctcanaatgc ccgaaaatac aaggctaaaa ccctatacta ctagaatggc caaaatacaa 240  
ggcccagacg aaggaaaatgc ctattcta atttacaaag ataagcgagc tcatacttag 300  
cccatgagct cgaaaatctac cctaaggctc atgagaaccc tagggccttc cttgggatct 360  
ctagccaatc tacttggagt cttctaccca atgcccttgc ggggtaggat ggcattcatt 420  
ggcacataac taanatttca t 441

<210> 8530

<211> 317

<212> DNA

<213> Glycine max

<400> 8530

cactttcttg tgtacaacgc gagctctgac cactgtcctt gctttccgcg gcgctgtttt. 60  
tcattgtccgc ctgagtgggc ttatatccta aaccatactc tccacgagtt cttggggttt 120  
ttatcacgct agttatgccg ccattgtctt tgcctaaacc catcccgggt tcataaccgc 180

ttcccaacat aactcggggc atcattaccg ccgcatcgga cagacaaggc tgtcccaaga 240  
 gggagtcac cgaggaaatg ctgaccacct caaaagactg gagagcggtt tctaacgatt 300  
 cttctgcggc ttccaca 317

<210> 8531  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8531

agctttcttg ctctctttgg tctccatcta ccttgaagnt gnatgttctc catctaacca 60  
 tcattttgtc taaggctgag catcgtgttc gtcgcactcg agcatcgtca gaagtctgtg 120  
 cttctctccc ttgcgcacct cacgtaggta tggttggtct aatcctgtat gaagtattga 180  
 ttgcattcat gtatcgaca cttagtgaac taaacatggc tagggatatct catatttaac 240  
 tcgagcatcg tgacaac 257

<210> 8532  
 <211> 395  
 <212> DNA  
 <213> Glycine max  
 <400> 8532

cctgtattgg ccttacctga atctacaaag actatcttag tggaggcgga tgctatatga 60  
 gtgggggtca gagccgatct cataccagat caccattgca tagcctttat aagtagaagc 120  
 ttaaagtgtc agcaacaatc catgtcaacc tataagaagg aggtactacc tgtggtgctt 180  
 gttgtacaaa agtagagaca ttacttatta cctaagcagt ctgtaatgaa aactgatcac 240  
 acaagtctcc agtatattct tgaccagaga ctttccacag ctttccaaca catatgcgtg 300  
 gtaaaaccta tggaatttga tttcattatt gaatacaagc acggaagtga gaaccaagct 360  
 gctgatgcac tctcaagagt tgaatgtgct actat 395

<210> 8533  
 <211> 413  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 8533

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agctnttcga ttcattctat gcacccatgg tgggttttgt gtatttctat 60
tcttgtttca tttgcttttt tatacccctt cttgacgtgc ttcagccatt ttacttaagt 120
catttctcgc ttaacttaaa aataaaaataa attttcaccg aacgtttgaa ttgtattatc 180
cgtaaacttc ggtaaataatg aattccgacc gttcggtcgt gccgtaacca cgttggaaat 240
caaaaagagg taaaaaataa tataataatc aaaaatcatc ttttagtaaa ataaagcgga 300
aatcaatcg gacgttntct ctttgggatt tctcattctt aatcgaatgg attaataact 360
aaagtgaac taaaggctaa aatcaattcg cctagtcaag ctcgtccata aaa 413

```

<210> 8534  
<211> 415  
<212> DNA  
<213> Glycine max

<400> 8534

```

ctcttaattt cattctcttt ctcgagtctc cttaccaatt ttcttcaaag aatgataaag 60
gtatgaaatg ttacacaatt aacaaaatac caatttaaca atttcagatc aaataaaaca 120
aaattagcat tactatccat ttcaaccatt gaactaatc attaatagaa ggataagtta 180
ccttaaaacg ctggaaaaaa agttcctgat gatcttttgg aattgctccc gatgtagaag 240
gcttaatgga caatgtgaca gcctttgctg caaccttaga tggatgcaac ctaaatacaa 300
aaaataattt gtgaaaaact aaaagatcaa atgatgtatc atatataatg aacaataatg 360
taaattttgt aatacttaca ctccattgat aagtgtaatc atacgacgat cattg 415

```

<210> 8535  
<211> 333  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8535

```

ttatgtcaca tccttccatc tgaatcttgg tgattcatgt ttgaatctat atgcattcca 60
ctggacatgc atagcacatt tacatacact gctgaatgat aaactgtttg acctcactat 120
caaagctgtt aatgatnctt aatggtttcc attttttgat agggggccaa gtgaatggga 180

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tgcctttgaa tggatgcatg ttgagtgcct tcctaattag atacagctgg cttgcttggt 240  
 acctcagaaa gaaataatth angaagttaa atntcaaggt cacttgccta tcttttgaag 300  
 ttttaaattt aataatttat gacttctgat cat 333

<210> 8536  
 <211> 495  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8536

ntanacttgt tcttacttga taatggttat agacttatag ttataattnt taagcaacaa 60  
 acaaaagaac tcatgtgaga attgactcat ggtcaagaag atgttctatt tattttaatt 120  
 actatcaatt tagaatttat ggtgaaataa aaaaataaag caacctgtta aactcggtag 180  
 aatgatagaa aatttagata atttatatgg catcttaagt atacatctta ttatcaccat 240  
 tatataaaac aaataaataa aattaacaaa aggagaaaat aatttatctg ccaaccatgg 300  
 attttttttt tatactttta tctaatacata aattaacata tacaataaaa ttgttgattn 360  
 ttttatagta attattttca agttatagtt atcataattn ttaattaact gatagtgtaa 420  
 aattatatat taataaaata taaattaaat tcattaacaa aagaacatta taaagtgtct 480  
 gtgcaaaatg aaatg 495

<210> 8537  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
  
 <400> 8537

atataaactt cttcaaacaa atctctattc aaaaaagcat tattaacatc taattggaga 60  
 agacactagt ttctaacagc aacaacacag agcaaaactc ttacagtggg aagcttgagg 120  
 attggagaaa atgtatcaga gaaattgatt ccagcttatt gagtataccc tttggcaacc 180  
 aatcgagctt tgtatctatc cacaaagcca tcattttata tttaacctta tacacccatc 240  
 tacaaccata catgcttat 259

<210> 8538  
 <211> 496

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8538

actaagctat cttgaactaa ccaagccctc tggatggta atcgattaca aggaatagta 60  
 atcaattatc aaaccctaaa acatagtntt ttctataaaa acttactatt gtttactcat 120  
 aaaacctaca cactcattgt aactattatc aacaacaatt aaagatccaa aatagacatt 180  
 gaaaaacaag catcataaac ttcttaacta caatcatcaa gcacaatcaa aaatacaaaa 240  
 acaatcatca aaacacaaac aaagacaatc aacgacaatc attaatcttc aaacaacaat 300  
 taacatgact atcaaaacac aatcaaagac aatcattaag ccacaattaa taataaccat 360  
 cagaaacaaa ctcaaataata aagaaagaaa ataatcaacc gatttaacta tgtatctaag 420  
 tcattgctat ctaaaagtcc taattctctt ctaatagcaa agaagggttc tttggggaga 480  
 ggttctgtaa agatat 496

<210> 8539  
 <211> 333  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8539

gcttataact ctntcgaagc aatcctccaa cccttgccca tgaatcactc tgcttgcatg 60  
 agccttgta gagctctgta taacctgtgg gaataaacat gacaccaaca ttatgctgaa 120  
 gagaatattt atgaattagg tcctattttt ggatcattaaa caagaacaaa ggaacttaca 180  
 acttttcgaa caggcaagct tagcaaaatt ccctgagaa cagggtcagg gttcagcata 240  
 tcatatggca atctcccatg aacaaagctg ctcaacacac actatatact ttttggattt 300  
 cattatattt aacatgattt ctacgattaa aat 333

<210> 8540  
 <211> 502  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8540

atactcagct agaagaaata agactagtgg ctgaggatag atgattagta tctctggcgg 60  
 ttttaagttat atgagtgaca acaactctgt acaatatnt gatgcacttc aagaacacac 120  
 acttgagggt tttaatctaa taagaaagtt tgagacggaa ttcacctaaa cttaaatntt 180  
 tataaaatgg atttatagaa ttattaattt gtgatatoga cgatactaaa agattatata 240  
 tattacgata gaaaatgtta ttatattaat ttattgaaat gatagatttt gcttgtatgg 300  
 ccgaagtat gccacaaat atatatttta gagaaaatta ttaatttttg aaagtttata 360  
 tgtaacttga aaaacttagc caattgttat aatgtgaact tatgcttggg attcgactgg 420  
 cgacgattgt tagtggagtc ggggactgta acttaccttc tagagcctat attattacca 480  
 taactgtgat gtaatcatta ta 502

<210> 8541  
 <211> 339  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8541

tcatccataa ccaatgcgta atccgaatcc actacactca attgaaatta gatcatttca 60  
 gaccaatcaa catagttaa cccactgaac tngattctta atttactaaa agcaaacata 120  
 ttaagcatag ctgtatacac ttaaaccaac tcacatacct taatgctttg agaaaactta 180  
 atggattcaa actacattaa ctctaatac gcacttaagt tcaccgttgg gtgataaata 240  
 aacacatatc catattaata atgatgcgaa ttaatatact ttaatgggaa ataatcata 300  
 ttattcttga catgcatgtt ttctctggaa acacataca 339

<210> 8542  
 <211> 486  
 <212> DNA  
 <213> Glycine max  
 <400> 8542

tatctctaga agacaaataa atgagtttct ttgtactctc aaattagttt atgcacttta 60  
 tagaaactct cttctctcat atatagctcc tttaaagatg aacaaatttc taaaaattaa 120  
 cttatataat ttatgtagaa actcttgatt cttctttttc ttaaagcgta tatgaaaaaa 180  
 cttaccaaaa aagactctgt cattaagaaa aaattatgaa gcttatccgt tggttttgtt 240

ttattataag ctttttatct tcatgtgcgt tgttcctga ttcgtagtaa ttgctaattgt 300  
aacatgagtt taatggaaca tattgtcgggt gtcaaattac agaataaaga aagtagaaaa 360  
tcataactaa taagactctt aaccagtaa ataaactaat cttatagctt gatttgtaat 420  
taaataatat tatacaacta cttttagtta ttgatacata gcctatccta tcatcttaca 480  
tttcat 486

<210> 8543  
<211> 330  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8543

gatatttctt gcacatcatt ttctttatct gataaccct ggagttagta gggttgggtca 60  
caaacttcat ctacagcata aaagtcacct ggaattttat tagcaagttc atccactttt 120  
aatctgtatc ttgttgggtca acaactagca gccagtcctg aaataagata gaaatgagat 180  
atcttatggg agaaacanaa cacatatact ctatgtatta atacaaagat aaaaaagagt 240  
gtacaatcac tagttaatta agtgaatgcc taacaaaatg aacgctgctg aaggaaaaca 300  
acaatagnta ctagttagga attggtaatt 330

<210> 8544  
<211> 290  
<212> DNA  
<213> Glycine max

<400> 8544

ctctggtttc tctgctaggg tttccaagtg ttaaagagta tgttaataga tcgaagtctg 60  
cattccattg tgtgcatgcc atgagtatct ctccttccc gaatattaat ttaaaaatcc 120  
cgacggtgaa gatgtggata aatgaattat gaacctggcg tccaagtttt acaaagatcc 180  
aacggttaac gagtctgaga ccgatgtttg attgtagttt tactggaata tgttgggtat 240  
atgtggcgga aaaagctacg gtgtgaatgg catttatctc acctgaaaca 290

<210> 8545  
<211> 342  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8545

gtcctgctta tattctaacc tggataactc tgnagatgca tggatcttca gacagactca 60  
aacatatata tcatcatgat ataataatth gtgggcaaaa aactctgctc aaaaagatt 120  
aataaatata atggaacaca cataaattaa ctatactgctg aaaaaaaaaa aaaatacaga 180  
aacatttaca ttatttagca ccttttagtt acatttattt atggaaatac accccaagac 240  
agattactgc ttaacaggat tatttgtttg gttagttaac tcattaaatt atatataact 300  
cataattatt tatttatcaa atatttntta tgttaaatca ac 342

<210> 8546

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8546

catagtctga catgaatatc taaatataaa gttatatcta ttaaagagtc cacataggtg 60  
acctcttgat ttgcaatcaa atgctctacc actaancgat aaaccattt gatattttta 120  
tcatcgatga tatactagat ttgcaagcca gaaacaaaat tcatttttga gaagaagcct 180  
attgttccac gggaagtgt gcgtaaggcc atgatggaaa gcagttgcaa acgttcaagc 240  
ttgtttatga ggaatctatg atccactgct gagctatgta tgaaccatt tgatgtttta 300  
aaatcaataa tattctattt aatgaaaatg ttactttgga aaagaaaaaa attaatacaa 360  
agggcccaac cgggttcgaa ccggtgacct cttgatctgc agtcaaagc tctaccactg 420  
agctatggac ccaagttact gtcagaggca gatttaacac atnatagtaa ttgtccattg 480  
ttatgg 486

<210> 8547

<211> 315

<212> DNA

<213> Glycine max

<400> 8547

gcttgtaatc gattacacat atactgtaat cgattaccat aagagaattt cagaaaatat 60

tctcaatagt cacatctttt tatttcattc ttaaattggcc atcaaaggct tatatatatg 120  
 tgacttgaga cacgaatttg ctaagagttt ttaagaacaa aaaggcttta tctctttaa 180  
 aagtaaaatc gttttatctt cttacaaatt ccttggccaa aacacttggtg attcaataag 240  
 gaattatttg agtgctcaaa ttgttcaatc tatctctttc aagagagatt tcttcttctc 300  
 ttcttcttta ttctg 315

<210> 8548  
 <211> 487  
 <212> DNA  
 <213> Glycine max

<400> 8548

tctacacata cgagatattt cagctcaact taagaagcta aagggtgata tgtctgagtc 60  
 cttcctagtg cactttattt tgaacaccct tccgcatgaa tatgggtcgt ttaagattct 120  
 ctacaacaca cataaggata aatgggtctat caatgaatta atgatcatat atgttcagga 180  
 agaagaaacg cttgtaatgg agatgggtga gagtgcattg ctgacaactg cttatgggaa 240  
 gaacacagaa actaagtctc acgctaata gaagggaaat ggtaaaatac cacctctcgc 300  
 tgatattaag aagggtggcaa agtgtttctt ttgcatgatg aacggacaca tgaagaagaa 360  
 ttgtcccgga ttccataaat ggtctgagaa gaaagggtaa tcaatctcat tagtatgtta 420  
 tgaatctaata atgggttagtg ctaatattaa cactatgtgg atcgagtatg gatctactat 480  
 tcatatc 487

<210> 8549  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8549

atgcattcgg gcacctactt tgaatctcct atgctatctc tacatatata aaacagtccc 60  
 accattccaa tttcgcaaaa tcatattcat atatcattgg ggcatttcat cgagcattg 120  
 ggggggtgcac gtttgacac aaattgcaag agaatgggga caatgtggca taccctattg 180  
 cttcagaata caacataggc ctaatgcatt ctacacaaaa cctcaactc aacaaaacaa 240  
 gcatggattc agatgcgaat tgcttcacga attntgcaaa aatgagcaa ctaaagcacc 300

aaaacacatc aatggagagc caaataacca agggaaatng cacttacttg tggggagtgga 360  
 attanagcgt ganaagggaa gcaaaactca acaatggaag c 401

<210> 8550  
 <211> 322  
 <212> DNA  
 <213> Glycine max

<400> 8550

tcggaacgaac gacatatctg ggcgaatga agacggagaa gatgatagaa aagcccgtgt 60  
 tgtgactgcc attacaacta cagccaagtt gtccaccttc ccaacaatgt cattactcat 120  
 ccaataacaa accttgtcct taccacccga ccagttatcc acacacgcca ttcctaaaat 180  
 taaccacaca gcctacctac ctgcactttc aatgacagac accaccttta ggcttaacca 240  
 acacacctcc caagaaacga attgtgtcgc gagaaatcct tataattcac cccaattcca 300  
 gagtcctatg ctgacttgct cc 322

<210> 8551  
 <211> 427  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8551

catatgtata ttataaatc ttaaggcgaa atgcatacaa gaaaacagac gggatttgat 60  
 tcttgtgatt aaccctgctt cccaagaaca cagccgtaaa ttcaggtgag caggttattt 120  
 tctttacat gaccatcggc aaacaacctg catgttccaa gacaaatatt atgggttcta 180  
 ctctatttat caaacattaa gcacaaagca aatttaatct aaacaattaa aaagaaggat 240  
 attcttgatg ataatacatg ggagaaacaa aactcatggt gtttctattg agggtggaag 300  
 acaatcatgc cnatttgatt tcatcacaca gatgcagggt cctagagcat gaaaatatgc 360  
 caaacatcc tttaatatca aagtggcact cttactgttc cttcagcaga gaagatatta 420  
 cttagag 427

<210> 8552  
 <211> 471  
 <212> DNA

<213> Glycine max

<400> 8552

taaagtttgt aggcctgagg attctctatt atctctctca cacgcacata tataatagtt 60  
ctatatataa taatatattc atgctgatag gctcgttggc gtatttgact tcgacaagtt 120  
tcttcgcttg ttataaacc ttaattcaaa atagacttat tataaataga cttttgtgac 180  
aaatctaact cttaaacaac tcagactaga cttaacaaat caataaatag tttctttgag 240  
taatattaga ttctattctt ttaagtaaga ttttatattt aagttttatt gatagaaaaa 300  
tatgattgga agaaaaaatc tcattaaaaa tagctcatta gggtccttga tagagattaa 360  
ttatcgacaa aactaataaa tactctattc caatagcata attaagaaaa ataaattaaa 420  
cttaacaagg atatataata ggcaaatgag ttacgctaga ctttgtaatt a 471

<210> 8553

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8553

agctttaagt aaagagacaa aatgctatat agatttttaa tatgagaaat atataatcat 60  
ttatatcaaa agatgcata gagttaagaa atgattacat ttatccctta caacaagaga 120  
acttagtcac tcattgacaat aagcgacatg ggattatcca tgggtggggaa gaagatggat 180  
gaagaaaaca caaaaacagt acaaaagttg caaactgtta caatgatgaa agcaaaaagg 240  
agggagaatc tatctatatt cacggggttag acctanaaat acataaacia catttccatt 300  
tcaagtgtaa atccactcag ccattganatt ttggcttgac catatgccag tttttattct 360  
tccagaattt tgttgaccaa gttgatccgt ttgaagattc aacacatcat agttgctcgc 420  
caagataaat tctccatctt ca 442

<210> 8554

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8554

tgctctnctt tcatgggtcta cctaatacgt tntcatgttc cactaattca gcattcaatc 60  
 cctccaagac cacctnccaa tcattntctg gttgctgac caacccttca actagaacca 120  
 acacctttac gtcacagtac ttgcattcgt aaaccacaag aaaagtatgg tttttcgaac 180  
 ctttatcttt gacaacaact ttacatata ttctattac ttcttcatat aaataggcaa 240  
 tggagcataa atgttggtgg gatgctatta aaactaaaat tcttgacta gagaaaaatc 300  
 agacatggga cattgttcca tgtctccat cggtaaacc tcttggcagt aaatttgtat 360  
 tcactatana gctgcattca gatggatcaa catattgata caaggctaga tcggcttggt 420  
 cttggaaata 430

<210> 8555  
 <211> 309  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8555

tctgtctact gactatcaat tctaatingca agntcacatt cttgttcttt ctttgtctaa 60  
 catacacact tgttcaaact catgaaaagg aacacaaaact ccatcacaat catccattca 120  
 attcaaaata aaagcataca accatthttca caaatcaata aaagtgttc actgccatgt 180  
 catcaaaatc aagccaaact gttccatatg cttcagaata agcaaaccac ctacccaaaa 240  
 ataaaactag cagtgtatat aaacataaaa gagatactgt actanaacca taattaaaat 300  
 aataataaa 309

<210> 8556  
 <211> 416  
 <212> DNA  
 <213> Glycine max  
 <400> 8556

tgagacagag ggagagagag ctgtctgaaa tctttgggct gattgaggag agagaatacc 60  
 gctttttggc tttaaataaa ggagtttctc tttttctatt attatattta agctatgcc 120  
 catgtctgca tctgagcgga gcgaagaggg ccactttct cttttgattg tgaccatac 180  
 tcagccactg aaagtgagaa aagtctgacc tttgaaacgc taaaatccta gctcagattg 240  
 catgcocttt ctctgattac aactactcgc gtatctctac gttcgtcggg gccagctttc 300

taaagttagc actatatata tcataacgct cagaattaaa ccccgagcgt ggctcatagg 360  
atgggttcgt taaatatata gtcgcgcgca caatgatgat gctacactat tactta 416

<210> 8557  
<211> 353  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8557

agcttccaag aatcaagatc aagattcaag actctttatt caagaatcaa gagaagactt 60  
aaacaagata agtatgaaaa agttttttca aaaattgagt agcacatgga tttttctcaa 120  
aacatgttta ccaaagagtt ttactctct ggtaatccat taccagatta ttgttatcga 180  
ttaccagtat gcaaaatggt tttcaaaaag ctttcaactg aatttacaac gttccaattg 240  
atttcaaaaa gttgtaatcg attacaatgt tttggtaatc gattactagt gtacttgaac 300  
gttgaaattc aaattcaaat gtgaagagtc acattctttn tacaaaaagc ttt 353

<210> 8558  
<211> 620  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8558

cttcacttcg cattctctct actcctaccn tantcttcng tnttgatatn atttttatct 60  
ttnnnnnnna aggccccacg gtgttgcttt cgtggccgct gcatatacga gacactatac 120  
aaaactcang cttaataat aatggcctcc accacactct atttccttta agatattcta 180  
taacacagcc tcctaattct tatggagagg agtaccactt cttgcagacc cgcattgctaa 240  
ttctcattga cgccatcaac ttaaacattt tggaaacat ccaaagtgga ctttatgctc 300  
ccaccatggc ggctggtaat acaacaatac acaaaccttc agaagagtgt gctctagaac 360  
aacgaagaat agtgccgtac gatttaaagg ctacaaacat catttcattt gctacgaatg 420  
gatgaatatt ttatggtgac aaattgtaag agagataaag atatgtggga cactcttcaa 480  
tctacacatt agggaacaat cgaggccac agaactatga taaatactct aactcatgag 540  
tgaattatct acgatgacca caattgacag tgtaccatat atgccaata gatttacaca 600

tatctcttat cttcttgccg

620

<210> 8559  
<211> 256  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8559

gcttatagtc attacttggt gagaacctta agccatagtc tattgtttca tttatatagt 60  
ggagaatadc atttggtggc ttgagatagt agtgggcgga gtctccattt tttggccttt 120  
gatataaaat gtttggctct atgcacatca aatatcacia actaccacc aaactcttga 180  
aatttgtagc atccacctt tatgcttcgt caaactatga taacttcatt ntgcactcca 240  
ccggagttct aattgg 256

<210> 8560  
<211> 481  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8560

tcgattacat agttattttt gagacaatga ctgatttatt caggagtctc tgccttaatc 60  
aattaccatg tgatataatc gattacttct ctttctataa gtgtttcaga agtaaacaag 120  
aacactttaa tcgattactt tgagtatcta atcaattata ttgttcttga gctgtttcta 180  
gtttcttggga agaacacttt aatcgattaa aaagataatc taatcgatta ccttgtagat 240  
ttaatcgatt acaagcgggt ataaatgttt tctctataaa taaccacctc gtgttctctc 300  
taataacacc acattttgag cttctgaatg agctaggatc acgtgctgtt attagttcaa 360  
gaaagaagag aagaanagtg cttagaaact gtgactcaca acttctatgc tntgattatg 420  
aagatcttnt tgtcatcgt gagttgtgct actttcttga gttcaagaag acacctcatt 480  
t 481

<210> 8561  
<211> 150  
<212> DNA  
<213> Glycine max

<400> 8561

ctgatgatgc ggcaactaac attaatatcc aaggtattat ataaaatgaa tatatatata 60  
tagatagata gatatttcca ctaattccta gaagtggaat gttgtacaca cctgtgggtt 120  
aacctctaca ttgttctggt cactcttgac 150

<210> 8562

<211> 461

<212> DNA

<213> Glycine max

<400> 8562

tcttatccaa ggctcatctt ggtggtgaag ctccttcttc cttaatgtat ggcgcctcct 60  
ctcacctctt ttcctttgtc ttacgctgca tctccatgga ggaaaatcac cattaaagga 120  
ccccattgaa gctcaaagat ccagcctcca tagaagcccc acaagcaagt tttttgcaat 180  
ctccttcaag aaaagagagt tatatttccg acatacttgg tgagtattta agaaatattg 240  
taaattatcc tattgtgtaa gattaagatc attgtagtcc tacttcatag cggagatatt 300  
attctagact cgggcccata attcttatct ttcatactga gggggtttgc cacgctaaaa 360  
tttcttggtg ctgatctttg tctcttactc tcttaataata ttttactttc tgctcatctt 420  
aatcacatat agaggagaat ttatttttgc tatctcctaa c 461

<210> 8563

<211> 341

<212> DNA

<213> Glycine max

<400> 8563

acatgacaat ggatgacaga tgatattaaa ttcaatcata gaagaacagg taattctata 60  
tatgctaaat tagaagttat taccatact cacaatgggtt attactatac taatcacagg 120  
tattcagctg attgaaaagg aaacaatcca tctatgcttg actgaaattg aaaatatgct 180  
gcaagccaac agaaaaagcc tatgagattt tcctttgatg ccatacccaa taagatatgc 240  
aggcaaccca caccataata agctcatcta caatgaaatg gcatatgaca aacaaatact 300  
ggtggcagaa attaacagat cctaccattc attgacaagt a 341

<210> 8564  
 <211> 495  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8564

tccttgagaa aattccttaa gaagctntct tgagaagctn tcttgagaaa cttacttggg 60  
 aagcttcttt gagaagcttt cttgagaaac tagagcttag ctacacacac ccctctaata 120  
 actaagctca cctccttgag aagcttcctt gagaagcttc cttgagaagc tagagcttag 180  
 ctacacacac ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc 240  
 tacacacccc tataatagct aagctcacc ccatgcaaaa atacatgaaa atacaaaaaa 300  
 aaagtccgca ctacaaagac tactcanaag gccctgaaat acaaggctaa aaccctatac 360  
 tactagaatg gtcaaaatac aaggaatgaa gccattcac cttgatccac caaagccttt 420  
 tctttctgct cccaagttct tcttgggatt ccgaccaccc catttctatt tggtttactc 480  
 ggccaattct tgact 495

<210> 8565  
 <211> 365  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8565

actttctctt acctggatac atttattata ttttttttat tggtgcaaaa tattcattta 60  
 aatgattttt ggcagaaaat ttggcttccg atcacttttt gttttatcaa aagaccttgt 120  
 ttctgatagc ttacttaaaa gtacccaaat ccattttcat ttgaaaataa tggatatctaa 180  
 tacctccttt gaaatattac tctctttaaa gaaaaattaa ttaagtactc tcagatatat 240  
 cagaatgggg agcctcatgg agtacgaaat ttnttatcaa aaaattactt aaatagtttt 300  
 attatgtttg gagaaaatac aatattcttg tcaccacatt agtatttaat tccagatttt 360  
 catga 365

<210> 8566  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<400> 8566

tactcaagct tgcacatata ctgtctgtta aagggtttca atatctaaca ttgtcttctt 60  
tctgagtttc agatactgga aattcctcat tctgctctca gtcttgccgc tcttgccga 120  
ggatatggta tttttcttct ctctctcttc togttgata ggggtccctt atttttattt 180  
ttaatgcgaa agtgaattt attgcttctt ttttaataac catttgtttg atgttgtttt 240  
aaaaggttct atttgaatgg gtgctaattg tgtgtggatt tcgttccac ttttattgtg 300  
cttatgtttt gttagaatcc cccaaccttg cgagctattt tttaatccct tgttatg 357

<210> 8567

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8567

agctttctaag gaagtattct caagaaagct tctcaaggat gctacctagt ctataaatag 60  
aagcatgtgt aacacttggt gtaactttga tgaatgagag tcttgtgaga cacaactcaa 120  
agttcaactt ctctcccttt ttcttcttc aatttcgtgc tccccctct ctctttctct 180  
ccctctttct tttctccat tgaagcatcc tctccaagct tcttatccaa ggctctctt 240  
gggtgtgaag ctcttcttc catggcttat tccctagtgg atggcgccgc ctcttacctc 300  
ttctnctttg tcttccgtg catctcgagg gtggaaaac accattaaag gacctcattg 360  
aagc 364

<210> 8568

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8568

agaccctgtt ggacttcttc gggtcactg ggtgtcttgc atgcgcatc cctgcaaaca 60  
atagatgaaa tcagaaatca gttgagcgt gtgcatactt acctatgatg acgtgacctt 120  
gccggggggg tacgggcacc ctgtangact gataaaggcc cgtaaccaga gctggaaacc 180  
ccagggccct gttggacttt tccgggtcca ctgggtgtct tgtgggtgcg atccctgcaa 240

acaatagatg gtatcagaaa tcagttgaac tatatgcata cttacccatg tcgggacgac 300  
acagaccaac tgatactttc tcanggggag attggcatcg cggtcgctgg gcagaatatt 360  
gctaagtagc aatgtcatct atgtaagagt ggtcatgttg gtgcgcatga tccgcactcg 420  
tc 422

<210> 8569  
<211> 328  
<212> DNA  
<213> Glycine max

<400> 8569

gcttgcacgc aattcctgga ttcagatgtg atttattggt tcacttattg gatcatgcga 60  
tcccttatga acttttcac c aactctaaac atcttggtga tccatttgag gcaaaactga 120  
atcttcttat atgtgaaaac tctactctaa gtgtttcatc ttctcctact ctatctaaag 180  
attggatata ttgccatcat gtataaatta attgtgtaga ttttaatttt cttggtacga 240  
tttatagaca tgcataatgc taatgaatgt cattcaagta acaattgcaa aggtggtgtc 300  
taattagtct acctcttgat ttagttct 328

<210> 8570  
<211> 441  
<212> DNA  
<213> Glycine max

<400> 8570

ctcaagcttg tacaataatg gaatcaagat taacttggcc gtttttttca attatgttct 60  
aagaaatgag acctaatcgc ttatgccata atgctcttga gtttgtatta tcaattctac 120  
gcttacaacc acgcaattaa aggattcacc ataggaagct acagtatcat gtaaataatag 180  
attatcgtaa accaagagtg aaccagttcc aacaatatct gaattaatag acaacatgaa 240  
catattgttc tcaaatgaac acaaataacc caatttggtc aaataataaa ctgaaaccaa 300  
atttcgtcta tatgacagca caacaaaagt gtctttcata tccaaataag aactactacg 360  
tattaataat gtatagtgcc ctatagctgt cactttcacc gatttaccat ctccaacgta 420  
cattcatctt tcagaatcaa t 441

<210> 8571  
 <211> 334  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8571

agcttgatgt cattcaaaca cactatgtta ccttatgaaa ctaaactgcc ttgttatgta 60  
 ttgattcata tgcgatataa tttgtgtaac ccgttactaa ccaattaata ttatcaagta 120  
 ctcgtttggt taagcaagga aattagtggc ccaacaaaaa tcatttacgc gtgccgcaaa 180  
 catcattatg ataattgaca acacataatg acatgcatgc gtattacagt ttgagcgcca 240  
 caacacattg gctgacttaa gtacacattg ccgacaacac attggctgac ttgactacac 300  
 atttacgcgt gtctatnttt ttgtaaacaa agtt 334

<210> 8572  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8572

cgcttgccctt agcacactnt acttncatct atttcagact atattattta tacgggttgg 60  
 acaaaatggt tccgaagact aatatcatat tggtgattac cttgtatatg taacaattta 120  
 ccttattatt gtggagtttg gcattgggtg cataaagggc tcgatgacat aaaatcactt 180  
 tacaacatc ttctttctac tcatcacatc tacaacaaat agaacaatat atccctattt 240  
 gctgatgagt acataatata tttgacttgt ttttgccaat atacggatga gttcatcaca 300  
 tttttcttat tttggcatca aaatattatt atttaagata aaatatgtgt tacatgttat 360  
 tctatatcat tatgtgatgt gtcgggttat gatataacta tggtcttcct actcgagata 420  
 tactcatttt t 431

<210> 8573  
 <211> 469  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8573

agcttacagc aaatgataga atgtctatag ttttatcatt tgacaattta ttggtattat 60  
atgtcttata cttcatatat atagactctc ttttttcac tttttcaact gtgaattttt 120  
acataattca taaattttat ttgatacctt gcatagcatt gcatttagca aatacaattt 180  
aacatgcttg gtttataagt attgacacaa aaaaggctta tgaaaatacc ttgtattgca 240  
tgttgctagg gcttattaaa aatatcaa atttttacat gtgtctgtga aatcagactt 300  
attaatgatg cgataaatta tgtaactatc atgtctctcg ttgatgttgc taaaaaatt 360  
gtttaggaag tatanggatt aaaagtgc atttgcaaaaa gtttaaagat cgagaacata 420  
attaacccat ttaaataatta tcaatanaat aaccttaaat ttaaaatac 469

<210> 8574  
<211> 394  
<212> DNA  
<213> Glycine max

<400> 8574

gagcttgaat aattgaggaa tagctcaacc catttacgtt ctttaggata ccattctcgt 60  
gttccaactt acaagactat caactgtata tgcaaacaat aattttacag attctttcac 120  
gattatttaa cgaatttacg gagcagaaca gatctgtggc acatcttcaa tataaatatt 180  
atcaatgcct tgtccaaacc aaaattgaga tcgatggttt agctgacaaa ttcttcttct 240  
gtttaaccta tgtttctgac tacaaaatgt gtatttggtg aagacctaac tatgaagctt 300  
ccaatctatg ccgactttat agatttctca atataattat tatttcatat acaagcgata 360  
ttcacgtggt tgagactagc tcacaactta gaga 394

<210> 8575  
<211> 237  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8575

atcaatatct gaaaaatgaa attgttaatt tagaaatcta agtaaataatt gattcctaatt 60  
tttttaaagt gtggaaagac ttggaagaca aaattgcatt aaaatagaac atgccaaaca 120  
tatagtggga ctgagacaca ttagcagcgn ttcttcaact caaaaattat aagaatcaga 180  
aagtaagagt atgttaagaa gtgtgtaaca tactctatac agctttgatc aaatgac 237

<210> 8576  
 <211> 511  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8576

tcggacctat aaaactaagc tgggtatctc cttcttcaact acatcaagaa tcaccggggtt 60  
 gtgtcttctc tgtggctgtc ttactgggtt agtcccatct tctaaattta ttcatgcat 120  
 acatgtggat gggctaatac caggaatgtc cgccagggtc cagcctatag ctttcttatg 180  
 cttcttgaga actgacaaca acttctctc ttgtcatca gcaaggagg cagatataat 240  
 cactggaaaa ctcttgctat catccaagta accgtatttt aaatttgatg gcagaggctt 300  
 caattctggt gtggctggct ggacagtgg agaaggagat ggtttctcan cttttacctc 360  
 ataaagaaag tcagaggat gtgtacttcc tgaacatgg ttagtctat ctgactctat 420  
 aanatcaatc tcaagaggta aacaccacc accaggcatg caatcaatat cactctcaga 480  
 ttcactctca gcatcaaagt cagacatatg a 511

<210> 8577  
 <211> 430  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8577

agctntacat tagaatttag taatgatcca ctaacctaga attaaaagaa cttaatacca 60  
 ttaacctagg gaattaaaat aacttaatgg ctgagtgtaa ctgaaattat ggcaaccaa 120  
 agtcacccc aacagccatc aagtcagcca ccatttggtc tcccaaagg ctgatgccta 180  
 gggtgccaat taggccctta ttacaagttg aactcaacct aactaaagcc cttttagttg 240  
 attaaccaa aacatatntt tggtcagcca actttaaagg attgggcat tatttataca 300  
 aactaaacac tctaaaattg agacaaagt gtgacattta gtctctctcc atttgcacca 360  
 tgatacaact cacaaccttg gacttttctc cttgaaactt gggcttgat tcaaatagta 420  
 tggacaacac 430

<210> 8578  
 <211> 505  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8578

tattaggacc tataaaaactc agcttggtat tgctgcattc tactaatata tggaattgcc 60  
 cactgctttg cctgagaata acaattgctt gaccacaaca gcgctggagg cggcaagggg 120  
 caatggtctt tcaaataaac ctattgtaca cgaacaaaca ttatatcatg cgttgaccgt 180  
 gccaaacgaa ccagcgaagt cattgcataa ttgttatact aactatattc aatgtacctg 240  
 aacaaaatga tttccaaaca tgtgaccgac acatatgatg cggtgggcag aagaatcang 300  
 tgggtggttga cttctaagag ggaaaaatgt catgctttgt tgtcgggaca acgatacaac 360  
 gattacgtta taccgtgaag caatcacata tcccatgtcc gttatatnca tccacttgtc 420  
 cacactaacc tgaatgaacc aaacatacac atgtaagtaa tttaaacatt gttattaaaa 480  
 aaacataacc taanaacata ccttt 505

<210> 8579  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8579

ttaagtcacc tgcggctgca gcttaaaatt gaataaaacg ttcagaaact gctggtaatc 60  
 gattaccata tatgtgtaat cgattacaca gtgcaaattt ttaattcaaa ttntaatagc 120  
 ttgtgtaaat caatdddggc cactggtaat tgattacatc ctctggtaat cgattaccag 180  
 agagtaaatt tcttgtaaaa gactttttta cttaaatttc ttgaccaaac cttttgctac 240  
 ttcaattgga attcccttcc tatttaatat accttctaag actctaaaga ctgtcttgat 300  
 catccatctt gaatatctnt aatttctttg tcttgaataa agctttgaga cgcatgtgat 360  
 ccttttgcac catcaaaaca tcagcttgat ccttttgtct acacaacgac ccatgatggt 420  
 ta 422

<210> 8580  
 <211> 412

<212> DNA  
<213> Glycine max

<400> 8580

ctataaaact cagcttgtga atcgatacac taatttggta atcaatttcc agtgattgct 60  
tctgaataaa atcacaagat gtcactcttc acatagttct tgactttctc aaattggctc 120  
ttaagttttt ctaaaagtca taactcttct aatggttgcc ttgaccagac atgaagagtc 180  
tataaaagca aggctttgtt ttgcatttca atcatcttga acatttcata caatccttta 240  
caagccttga atctctttga acttcttctt cttcttttga ccacaagctc tccaaagttt 300  
tctggttttc taaaccatga aaactcgtgc tattcatctt ttcattctct tctcctctcg 360  
ccaaaaagaa ttcgccaagg actaaccgct tgaattcttc ttgtgtctct ct 412

<210> 8581  
<211> 290  
<212> DNA  
<213> Glycine max

<400> 8581

agcttatcac cttgaagacc atgtttcttt ctgattgtgt gaaagacgat agcaaggcat 60  
cagctgctac atatattcga ccgagaagga agaacagagc acccacatcc ctcaatgact 120  
ttgtctgagc aagattgctg agctggataa cctgttctgc tgagctggac atctaaggat 180  
ctgagccttg atcctgtctg ccattactac gaatattctg tcatttcttg taagactcga 240  
catcatagaa atacaaattt tgttattgta atccattata aataccatct 290

<210> 8582  
<211> 277  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8582

tcttctttcc actcttttca ttttcaaatt tcaaaacatt tccagttcaa attccaaatc 60  
gcagtctaca gttcggctat gttgcaggct atgcccattc tataatctga tatgattgat 120  
tcacgttgac gaattattgt gattgagaga gcctatgaaa cattatgcaa tattgtcagt 180  
aggtttcgat ttcacttcat ttctagaatc catttttttg cataaatcat aagctnttga 240

tttcacctca ttttctaaat tcaagtggat atactat

277

<210> 8583  
<211> 420  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8583

ggatcctat gntnganatt aaataaactt aagttaatcc attatattct aagttactaa 60  
tctttatcta cccaattata ccatagtaac ttaacttcat ttcaaaatgt tatcaactaa 120  
ccttaccoga aacctcattt gaaacgagcc ttccccgga tttatggacc tcacagttag 180  
ggatctcttt atccctgtga gtagatgttg gaacagggac ctaacttaac ttcatttcaa 240  
tatgttggtta actaacctta cccgaagacc ttttggatgc tatgttggat aggccgggtta 300  
ttgaagagat tctaatagtc cctatattac tacatgatag tgaggataat acgatatgta 360  
cgtggagtaa agatgggtgtt ttctctgctc gatctgccta tcacggcgct aggaatatgg 420

<210> 8584  
<211> 491  
<212> DNA  
<213> Glycine max  
  
<400> 8584

agattgatgc atcagtcctcg ggactcttag agtcgcctgg agccttccaa cctcttaggt 60  
agcttctggg tcacggctct gttataactca tcattcttggc taacacaacc ttaaggcctc 120  
tgaactgtga actccaataa tcttttaggtg ccaatatgga tttttcaaga gatgggtctta 180  
tctgaaactt gagaagtgtc atgccttgca ccaaaccaag ggtgttcgga gatatccata 240  
tattaccttg catcatctac atattattcc acattgtaaa atcagaggta cgaaaacaat 300  
catacaatga tgaattaaaa atattccata gggtcatttg tgacaaatag cagattgcaa 360  
gttccaaaag aaatttggtt ggggcaaaca cttaacattt tgtagagcta tcaccactaa 420  
cccaaatga tgaccttcta tggctcttat ccaacattga agaaaataga tttttctagc 480  
tagtatggag g 491

<210> 8585  
<211> 479

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8585

cgcagtaagt atgaaaagca atattcattg ttgagggatt aagtgcgctg ctcaatagcc 60  
tctttaacta tgcactaaaa tttttgtgtc cggctctcca tgtcacatca tataattaat 120  
gtctttacca gggacatata taaaacaata tagacaacca aattaaaaaa tcaaaattaa 180  
aaaaatatca acaaaaaggt gctaactatt gtaagaaatc tttcaatttc cctacgtttc 240  
tagattttta acaccaatta taatatcaat gaccaaata aataaagaaa ttcacaaacc 300  
tcattaagca aagtcttgag agagcagtca aatgtgcttt tgtaggatga atcccccatc 360  
atcctggatt tcacctggag aattatgagc atggatataa cgcaaccctt gatcatacaa 420  
gtagaatgtg cttattcata cgaatntcac caatattgtt aggaaacttc aatagttct 479

<210> 8586  
<211> 368  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8586

tgctccttaa acctncatta attttttgct ttaccttctc ttccattgtt gtttcttcaa 60  
tttatctcct tgtatctcct cacatgtctt gtgctaaatg ttgttaacac gattcttttag 120  
agtttccact gattaaactt gctataaaag ctagatttga ttttctatgg ttcaaaattc 180  
ttgttcttgt tcttgaacca cgaattgtgt tgagtttagg ttcctttgag ttttgtcttg 240  
ttattttttg tggctgaaac ctaaaccata aaattcttac aaaaatatta aagtagaaga 300  
aaacctcaaa aatctagagt gacttgttca cctattgtag ttntgtcata gaagtcatgt 360  
ctagtcat 368

<210> 8587  
<211> 456  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8587



tatatagaac aatcacatag tcatgtagca tagatcataa ttggtcagtc atactaagca 360  
catattataa agaaataata agtgctcana tgtcat 396

<210> 8590  
<211> 255  
<212> DNA  
<213> Glycine max

<400> 8590

acctttctca tttatcatat cccatgtggt caggaagctc atgcaatcat ttcaataaca 60  
aatcttaacc tttctgaagc atttgtgtac aagaaccata acatgagtta ttgctgttgg 120  
taggatgtgg aggttccaaa tgtttcctga gatgatattg gaggcttata gaatgtcaag 180  
agggagcttt atgaggggca cacttgcttt tgatattcca tacctttaat atgttgacaca 240  
tgtacatttt aatta 255

<210> 8591  
<211> 317  
<212> DNA  
<213> Glycine max

<400> 8591

gagtgtcgct gtcagcgaca attgtatatt gaacaccata tctgcgtatg agatgtttcc 60  
aggtgaactt ttctacctcg ctggctgaaa tttctcacia tggccttgcc tcatcaact 120  
tattgaaata atctatggca accaataaga atttgaccta tctgttgact tttggcaatg 180  
gttctattat gtccatccct cacatggcac aaggccaaag ggagcttacg atatggaggt 240  
tgtcatggcg tatgcatgga acatctgcac attctatgca tcatatgcac cttcttgtga 300  
agtcaatggt gacgacc 317

<210> 8592  
<211> 256  
<212> DNA  
<213> Glycine max

<400> 8592

tataaaatca tttgatttta acatcaagca ccccttgaca atctgaatct tgagttgaat 60  
cgctggagag tatgatcaca gagggattgc tcttgtccat gtttaatcat gggatcattt 120

atcctggtga ggcagaagac ggacaaaatc acaagggttg ggtcatatga tccagtttgg 180  
gcaaaacccc tttttctcct tcaaacaatt tcctttccat atgtgactat gtgacttctc 240  
taacctaate tccatc 256

<210> 8593  
<211> 188  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8593

tctctctcta ttccctatan atagggcgag gaggaatat ctctctgtt ctaccctcct 60  
ggtctctgcg aataacttat aattactgag atacattgtt tccatgaata acatacagc 120  
cgaggcgctt ccgttatgcy tccgagacgc tcccgcgggt gattccgcga ggattatcca 180  
ccgttctt 188

<210> 8594  
<211> 315  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8594

cgctgagttc tttgttagta ccgaaactct aggaggaggc caagaaacta ctgtgtaaga 60  
atttcttttt ttcttgtta gtgttcttga tttgtgaatc tcaactaaat tttgagctta 120  
atatgtggca tgcattgtga atcacatttt taatctttat cagctaagtt gagttgttta 180  
tgtatgttgt agggcctttc aaggagaaac gaagcaatga gcttaaattc taatagctca 240  
gaatcacata taattntcac atttgtcatt gagtctttgt gtaaggtact ggtcaaattt 300  
gtaattctac ctaac 315

<210> 8595  
<211> 449  
<212> DNA  
<213> Glycine max  
<400> 8595

ctaagtgtt ctcccttga gaactactaa ctgcagtaac agttgcagcc caactatcca 60

gtagtgatga caatagaatc aatgccttca cctcatcctc aaattttaatc tgcacagatt 120  
ccaattgggc aagaatagta ttaaactcat taatatgatc agttacagag ataccttctc 180  
ccatcttgag gttgaacaac cggcgcatca agtatacttt gttggctgct gacggcttct 240  
cgtacatata tgataatgcc ttcattaagc ctgcagtagt cttctcgttc acgatgttga 300  
acgcgacgtt cttggctaata gtcaatctga tcacgccaag agcctgtcga tctagcaagt 360  
tccattcttc ttgcttcatg tcttctggct taaccctga taagggtga tacagctttt 420  
tctgatatag ataactctct atctgcac 449

<210> 8596  
<211> 525  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8596

cattatgatg catcgatctc gaccgggatc ctttaagtcac ctgcggcatg caagcttgca 60  
accaaagtgt caccactatt atatgataaa ccttcagatt ctttcatata aacctcctcc 120  
tctaaatcac cattaagaaa agttgntctc acatccattt gttgcaactc aatgtcaaaa 180  
tgagcaacta attccaagat tatatgaaga gaatctttct tagatactgg agaaaaagtc 240  
tcttttgaat ctattccttc cgtttgagta aatcccttag caacaagtct tgtcttgtat 300  
ctctcaatgt tgcctaata gaatcttttg gtcttaaaga cccatttaca tccaatggcc 360  
ttngcccat tangcaactc tacaagggtc caaactttgt tactctgcat ggaattcatc 420  
ccatccttca tggcatcata ccataaattt gactctttac aacttatggc ttgatcaaaa 480  
gttcaggatc attttcagct caatatatag tcagttcttg caaaa 525

<210> 8597  
<211> 466  
<212> DNA  
<213> Glycine max  
<400> 8597

ttgatctcaa atcttgaatt gtataataat tatatatatg tgtttatag atccttctta 60  
tatacgcgtt aattgtcatt acaaaccatt gcattgggtt caattgcaaa actcacgtga 120

attgccaaac ctcaaattga tttttttttt cgtatgaata attcttatgg cctagatttt 180  
 ctaatttttg cattcatagc aacatcacac ccttgtgtgc tttgggtata ataattaaca 240  
 atatgtgtgt gtgagtgtca catagatata tgagttgggt ttcaaagtgt ctaatagtct 300  
 aaacgaattt gcaacgcgaa aaagggttaac acattacagg cttcccttga aggtgcaata 360  
 tatatgttta atacgttaac cattgtgcat attaaatcgg ctgaccatat taagcattgc 420  
 gcatattaca tcgggaacgg attgcagcag taaatatatt gatatg 466

<210> 8598  
 <211> 306  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8598

gcttcgatat caatttcgag cgtctcgata tattaccgga ctcaagccaa caaccgagtg 60  
 aaaagttatt ggtcgttgaa tttgctgaga ggggccataa tcaatttcga gcgtctcgat 120  
 atattacggg actcaatcag acattccagt aaaaaagtat tgcgggttg atttgctcaa 180  
 aaattccata attaatctcc agcgtcttga ttaattacgg cactcagtca gaccatccga 240  
 gtaataagtt atcttccggt caatttgctc aaagcttcgg tcttcaattt cgagcgtctc 300  
 gacata 306

<210> 8599  
 <211> 337  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8599

ctgagcanat tcaaacgaca gatcactggt tactcggatg tcttattgag tnccgcaata 60  
 tgtcgagacg ctcgaaattg aagaccgaag ctctgagcat attcgaacga cacataactt 120  
 tttactctga tgtctgactg agtcccgtaa tatatcaaga agctcgaaat tgattatcga 180  
 agctctgagc aaactcaaac gacaataact ttntacttgg atgtctgatt gagtcccgtg 240  
 atatatcgag atgctcgaaa tggaataacc aagctctgag caaattcaaa cgacaataac 300  
 tttttactcc gatgttcgat tgagtatcgc aatatat 337

<210> 8600  
 <211> 335  
 <212> DNA  
 <213> Glycine max

<400> 8600

gaagctttaa cctcattgtc tctcacagcc tttagatttg ggagccaatc caatccttgt 60  
 gtccggactc tcagccactt atgatagccg ccgatgatcc cattactgct tcccctaagc 120  
 tctctgtcct ttcttcacgc cgcaccccat gccttgcgaa ctcttggag taccctcgcg 180  
 ttgtgggtcac tgaaaccccg ttcgatgaaa gggcgtgatg ctttcgtctg atggcactcc 240  
 tctcatgggg tagccaagct gtcttatggc gaggacggga ttataattaa tacaaccctt 300  
 tgttccatca aggaacatt tggacatcct tcgca 335

<210> 8601  
 <211> 378  
 <212> DNA  
 <213> Glycine max

<400> 8601

agcgtagga tcggaagagt gactatgata atctattatg gccaacggaa aaatgagggg 60  
 ttgattgtca atgcaatttg ggggtagctc tgctggcttc gacgtcattg gcaaaccgcg 120  
 gaatggtttg agtgtggaac aatggaaaat atgggtgaatt cgtgctcctt ttggtacttg 180  
 caagcggtag gccatgggac ctattctctc tatgatctga aatggcccgt aatacctctt 240  
 tgctaatttg ccatactag ccggagtcc ttttgctgat gtttctcggg atggtcggag 300  
 cttgactata acccagtcac cacattcata attgaccttg tgccgcttct tatcagcata 360  
 tgtcttcata catgcttg 378

<210> 8602  
 <211> 395  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8602

agctngataa cacgcagaga ctaacgtcgt cttttgcggc cttcgncaat cgcggccgac 60  
 aagccccgtg acacgcagag atttatgtca ttttccgcgc ttacaagatc tgtcatactg 120

agttttgagt cacgctgacg ggcggaaata cccgagtggg tatccgtata aacttcttgg 180  
 tgtctgtaag acgaaaagcc tggtagcacg caaagactaa cgctgtcttc tgcgctcttc 240  
 gtcaatcgcg gccgacaagc ccgtngacac gcggagattt acgtcatctt ccgtgctcac 300  
 aagatctgtc atactgactt tngagtcacg ctgaccggcg gaaataccca aatgggtatc 360  
 cgtataaact tttgcattct gtagacgaaa agctt 395

<210> 8603  
 <211> 546  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8603

ccgtgtgcct gttcactgca ttacggacct ttaaactaag cgtgtcgcgt gttgacaacg 60  
 gccatatgta catttgttct ctgcgagcta acatcgcggt gacgagctta ctagacaagc 120  
 tataaactct catacctgat gaaccacatc gtgttatatg tcgacagatg aggcgtgact 180  
 caatatgtaa actctgacgg tatcgttgcg gagcgagga gatatcgac gtacctatct 240  
 ctgcatgtng accaggcctt gtgcatcagn gagtgcacta aggcgcgcag aacgacttta 300  
 gtacatacgt gctaaaacgc ttgttaagcc acccacagtc ttaagtttat acgggtaacc 360  
 acccaggtat ttgcctcctg ccccgtaga ccacaactca atctcacaga tctagcgagc 420  
 gccgaagatg acgtttatat tctccgtggc atcagccttg ttggccgcac atgacgattg 480  
 gtctgaatac gacatcttct actggctcta tcaagatctg agactacggc aacaactatt 540  
 taaccg 546

<210> 8604  
 <211> 362  
 <212> DNA  
 <213> Glycine max

<400> 8604

gctttgtatg ccctctccca cttgcggtga tttcttcttc ggcaaaggcg agatagttgt 60  
 tggcagtgat attattgacc agcccttcga aaccttctac cgagatgtct tgggccacat 120  
 gggcctcggt caaaaccttc actattagag cccgatgagg ctcggagctc atgagtaact 180

ccaacagcga gaccctggcc ggggttttgt tgtgctgttc gataaccttg aattcgctct 240  
gctgaattat acggaggaac tcaactggctt cctctagtga cacctccttt ttaccatcct 300  
ttttctccgg aagacctttc gcctgaatat ctttattcga agagaggggt gcttcgtcat 360  
ct 362

<210> 8605  
<211> 322  
<212> DNA  
<213> Glycine max

<400> 8605

acaccaacac attggcgagg ttataattga tatatcaatg cgtatataca acttattatt 60  
cttgagagta tacagcacia gatcccagaa aaaataatac tctggagcag tgacagcaga 120  
aagaaaagga ctaccgcaga atatttatga tgacctagaa gatgttctcg agcgtctggg 180  
aattgggtatc atcactataa cccgcaattc gtttgaatta ccagtaaatt gaaaaatgac 240  
ttgtattaca ttacacattt gtagtgtgtc ctataaagat aagacattaa attgccaagg 300  
cagacacata agaaaaaaga ct 322

<210> 8606  
<211> 391  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8606

tgtgagactc actaagggca gaccttaggt tatgcgagcc tctttagaat ctactaggan 60  
natttctgtc ttgcgtttta gagagactca ccaacggcgg accttgagtt tgatgagcct 120  
atgagactca gcaaggggtgg acctttgggt ttatgagcct ttggagattc gaccagcgac 180  
gtgtccgacc tggattntgg tgagattcac caagggcaga tgtagtcgt cttatacgac 240  
taacgttttg tataaaanna ctttacaaaa tgtatataaa tccccaatta tagttctttg 300  
gtggattgta ataaatttgc ttgtttgact atgtcattaa agcctoctat atggataatg 360  
taaatttctt aattcagcaa aatgacaatt g 391

<210> 8607  
<211> 126

<212> DNA  
<213> Glycine max

<400> 8607

tacagttgga gagcaagttc aacactctta tgttttcctt gccatcagat acataagaaa 60  
acgcttctat tctattctcg aggctttctg ctcacatcac caagcacaga tctgaagcaa 120  
acaaga 126

<210> 8608  
<211> 460  
<212> DNA  
<213> Glycine max

<400> 8608

agcggttagat aaatgaaact attaaagata taatttatga tgttctcaac ggataaaaaa 60  
aatgatataa tgaaggtgat gttttgcttt atcaaacctg agtgatcctg agcttgagta 120  
agtataccac ccaaaaacac aacgaagaaa gtcacgga ttctgtaaga tgacagatat 180  
actagcacca tgtgctgact ctgacctgaa acggaaacgt attggctgac aaatcggatc 240  
attgaaatta tatatgatta cttggaccat ccgaatcaat atcacactca gtaaattaat 300  
cactgtcaaa acagtgcaat gatatcaggt cgacttgta ttatatgtta ataggagaaa 360  
tatacttttt acaaacataa aggacaaaac attatctttt gtcaattctg gatccaaata 420  
tcacgatgta caaatttaat gactaaattt ggtatatatc 460

<210> 8609  
<211> 505  
<212> DNA  
<213> Glycine max

<400> 8609

atgaatctgg atttcattgt gccaaagact caacaatatg ataagcatgc tctaaacaat 60  
ctggatcctt ttctgcatct atggcttcac aaattccata aataagggtcc tccccctgca 120  
agagagtcaa aaaaatgagt tattatagag ataaaagtca gatcttggcc atcatatttt 180  
agtttattat attagttgga tatcttattc tctgctcttg tacttcatca ttttataaccg 240  
ccaataatat ttattggat aaaaaacaat tgagtaaatt gcagtatgta cacctcaatt 300  
tatgcaaaag aagaaagata cactgctatt ttcaaatact gcagccacat ttgagagcta 360

aatgcttctg taaatattct ctgcagttct ctcaagatat taaaagagac aattgttttt 420  
ccagaataag ctaatccaaa cacgctcata agatgtaatt aacattagaa gaattcacat 480  
tcttcagaca tatgactgta tattc 505

<210> 8610  
<211> 436  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8610

agctntctac aaagggtttt gaagctaacc ttgattcca tgtgatcatt atatgtaagc 60  
acatatgttg tctttatgtc aatatagaca tcgtacgtca gtgtgcatgc atgctaccta 120  
gccctagcct tctcgaaact aaaatacaag aagcacgtta acgaagaatc catttaacag 180  
ttactatata aatttctcca agtaaaaagt acatttgtat aaaatttata aaattctact 240  
attaacttat ctgtagtca gtgtttatgc taccattttt ccaaccacac acttgacaca 300  
agccaaatta ttttcttca tttccgacaa tttttatttt attttgtaa actcttcacc 360  
ttaatgagaa tatactggat tgacatttga aataaaattg aatgcaaatc aattatctta 420  
ttatagccac accaat 436

<210> 8611  
<211> 482  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8611

ngagcttaaa tctaaactca gttattcaaa tgagataagc tcatgctgta tatgtttgat 60  
aaaagctcac aaacaacttg tgtttgtgta tgtgtatatt ctatacaaaa gattgtcatt 120  
ttaaatgaga aaatgtatgt atactaataa taataattta tttattgtta ttacttagta 180  
aattgttatc ttattgattt attactgtct actattttacg taacgctact tttcaaagag 240  
tttctttact ctcttcaact tctagcataa agatatgtac tcaactaaat gctaaattaa 300  
taaacataga aagaatacat tggagaaaaat ttgaggtacg aaaagaaaaat tattgttaga 360  
attdagaata tgttgaatag taactgtcat gttgaatggt ntatgactga aagttagcag 420

ttacatatta ttaaatatgc gtaatacggg aatagaggga tatgtgtgta tcggtttcta 480

gt 482

<210> 8612

<211> 424

<212> DNA

<213> Glycine max

<400> 8612

agcttatgac aattgaaatt ctcgagagct tccgaatacg tgtgaaaagt tatgaccatt 60

tgaaatTTTT gagagattcc gttgttcaat tttgagcgtc tcgatatatt atgcgcctga 120

atttgacttg cctgtgaaag gttatgacca tttgaatttc tcaagagctt ccgttattca 180

atttcgagct tctctatatg tgatgtgcct aaatcagaca tacgggttaa aagttatgac 240

catttgaatt tctcaaaagc ttcggtagtt caatttcgag catctcgatg tattatgcgc 300

ctgtatctga catccgtgta aaaagttatg accattttag tttatcgga gcttccgctt 360

ttcaatatg agcgtctcta tatgtgatgc gcctgaatcg gacatccgag ttaaattgta 420

ttac 424

<210> 8613

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8613

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tggagatatg tcgcgggagt caggagacct tgtggacgtc acgtggggtg ctattgccca 120

aaaccaagct tgatcaatcc tgaccaacc cgggcatagt cagtcagtga gaacctgtga 180

cgtacctaaa caggcgagct cctggtagtc aaccaataaa agaacaaaga ccacaaagca 240

aggaggcttg tgtggtggct ggccagctat ggatcttgag tgatatctag aatatggcct 300

ctggtaatcg attacaaag gtgtgtaatc gattacaagg cttataaatg aagacagaaa 360

gttaatatgg cctctggtaa tcgattacca aggggtgtgta atcgattaca aggcttanaa 420

atggatacag gaagttgaga tggcctctag 450

<210> 8614  
 <211> 321  
 <212> DNA  
 <213> Glycine max

<400> 8614

tatatcaatg gggcatttca ccgagcactt gatgggcgca tgtttggaca taaattgcaa 60  
 gagaatgggg gcaatgtggc atgccccatt gtttcaaaat acaacatagc cctaacgcct 120  
 tctcattcaa atcctcaact caaaaaaatc aagcataaaa acaacccaaa actgccccac 180  
 aaatataatc acattctcat aatttggagc accaaaagat gaagaaaata taccaatggg 240  
 aagctaaaaa catcaaggat tgaatactta cttgttggag tgaatagaaa cacccaaaac 300  
 gaaagcaaac acgatcaaag t 321

<210> 8615  
 <211> 400  
 <212> DNA  
 <213> Glycine max

<400> 8615

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 tcaagtgatt gttgacatct ccatatgtgt gtacaatgtg attatgtttt cgtttctagg 120  
 attcatttgg aatatttgtt gttgattatg aataagtgc caattctttt gatttaaaat 180  
 tttcgtctcc taatcaatcg aatattcatc ttgtacaatg tgattatggg ttgattaata 240  
 ttttcatctc ctaagtagct tgaatcactc actgagacac tcagtaagtt gctagcatag 300  
 ttacaagcgg ctcaaccctc tcattcagct gttatgcaag ttggaggcta tagtatatgt 360  
 cgaggggagct catgaatctg gctgtggata cccaagatg 400

<210> 8616  
 <211> 403  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8616

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 ggtttgaaaa gtgaaattga gaataggggt aaattgaagc anactctcac ctacacaaag 120

tctataacat caatttaaac ttgttcaaac tggatttaca cctaanattt caccgaatca 180  
aaatttgact cctcaacacc caattntacc ctagaaatgg ctcttgctt cactttggtc 240  
atttgttttt ctctcttgca cagcccaagc tntctcnata agtctaaatg acatttcgaa 300  
ctaggagtaa ctcatTTTTaa cctctattta ccaactgaatc cagaattagc cttgcaactc 360  
tcanagcctc actctTTTTt tcaactcatac accacattct cac 403

<210> 8617  
<211> 433  
<212> DNA  
<213> Glycine max

<400> 8617  
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cgtaaccggg cacactcttt ccggacgttt gtagcgacca acttgaattt ttctttggca 180  
agtcttgctt ttcttagatc tgtttttaga gctcggactt cttcatcctc ttccggagct 240  
tcaaagttct cttcgttgat aatctttaac ttggaaagcc aatctaacc tcgtgtacga 300  
actttcagcc attcatgata accaccgatg atgccattac gaatgcacct aagtcttcta 360  
tctttcctta acgggctttc ccacgcctta tggactcttt gtataacctt gaaactttgt 420  
acgccgaaat ctc 433

<210> 8618  
<211> 435  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8618

tcaactctac atctcatctc tagcatgcat tttctttctt taccactcc tcacgtttgg 60  
ttntttaggg aaaaacacca taactaaacg cgccgcaagg gatccctatc gcaccagatc 120  
caaacttaga acgatgggtg atcaagagga gacgcaggaa cagatgaaag ctgacatgtc 180  
ggctctgaaa gaacaaatgg cctccatgat ggaggccatg ttatgtatga agcagctcat 240  
ggagaagaac gcggccactg ccgccgctgt cagttcgggt gccgaagcag acccaactct 300

cttggcaact acgcaccatc ctcccttcaaa catagtagga cggngaaggg acacactgng 360  
gcacgatggc agccctcacc tgtgatacaa ccgagcgggt acccttatgg nattgcgcca 420  
actattacca cccat 435

<210> 8619  
<211> 442  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8619

agcttcccag atccgatcat ggaaggactt agttactgcc ttcattaggc agnaccagta 60  
caatacagat atggctcctg atcggaatca gcttcagagt atgactaagc gagagcatga 120  
gtccattaag gaatatgcc aaagatggag agatctcgca gcccaagtcg taccgccccat 180  
gacggagagg gagatgatca caattatggt agatacgta cccacgttct actatgaaaa 240  
gctgataggc tacatgccat ctaactttgc ggatctcgtc ttcgccggag aaaggattga 300  
atccggacta cgaaaaggca agttcgaata tgcttccaat gtggccccca acaacaacag 360  
aagagcccca gtagtgggca cgaggaaaaa ggaaggagac gccacgcag tcaccaccgc 420  
cccgacgtgg atgaaagcac cc 442

<210> 8620  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8620

tgtttcgaaa ccaccattg gttctgatag gcttgtgaga ggcatgttta gggactaaat 60  
cccacacttc attcctttta aaatgaatta attcatcgtg catagccaac aaccaatgct 120  
catcatgaaa tgcttcatat atgggttctag gttcaatctg agaaacaaaa gttgtgttca 180  
agatccttaa ccttggtttc atcttcaagt gcagcttgcg tctcctaaaa acctgcttct 240  
tcattttcca aagcattttc ttgaacaaaa gagccagttt cctcacgaat aatattttta 300  
ggttcttcca cacacaaagt tctcctatta agcactctat aagccttgcg ttgtaatgaa 360  
taaccaagaa agattgctca tcagttttgc atcanattan aaagagatcc ttttcattat 420

taaatcaaca tttacatcaa accctaaatg gatataattgg ttcttcat

468

<210> 8621  
<211> 443  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8621

agcttcattc ctttttctact catgtgtcca agtctttgat gccacatggt tgaattattg 60  
acagcctcag taactcctac catatcctca tctgcaatca tgtaaagaga tctctgcttc 120  
tttccacgag ccacaatgag attgcctttt gttaccttcc aagctccatc tccataagtg 180  
gtgtgatgcc cttcattatc caactgccct atggatatta agtttctctt taaggtagga 240  
atatgtctga cattgtgcaa tgtccatagg gatccaccag aggtctttat gtcaatatca 300  
cctcttccga taatgtccag agattntcca tctgcaaggt aaactttccc aaatcttcca 360  
aaatatagtt agacaataaa tctttagaag gagttgtgtg gaacgacgca cctgagtcca 420  
tgatccatga atcaacagga cta 443

<210> 8622  
<211> 473  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8622

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agaagaatgt ggcatttacc tgcgggtgaaa aacaagagca agcctttgct ctgctcaaag 120  
acaagcttac taatgcacct gttctagctc ttctgactg ttctaaaact tttgagctag 180  
aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaagggtggg caccttattg 240  
cttatttttag tgaaaaactt catagtgccca ccctcaacta cccacacctat cataaagagc 300  
tgtatgcctt aataagagcc ctgcaaactt gggaacatta ccttgtttcc aaggaattng 360  
tcattcatag tgatcatcaa tcacttaagt acattagagg gcaaagcaag ttaaacaaga 420  
ggcatgcaaa atgggtagag tacctagagc aatttccata tggtatcaaa tac 473

<210> 8623

<211> 191  
 <212> DNA  
 <213> Glycine max

<400> 8623

agatgaggaa gtgttgaacg gtgaaacttt ctgcttttat tgttgaccac aacttggtac 60  
 ctggagatat gtgacggggg ttacgacacc ttatggacgc ccagtgggtg gctattgccc 120  
 aaaaccaaac ttgaccaatt cccaccaaac ccgggcatat tcggacaacg agaacctgtg 180  
 atgtacctaa g 191

<210> 8624  
 <211> 206  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8624

gctgaaccat nttatcaata aacacaagtt gagttttatt cagaaaagta gagtatatct 60  
 cntttatctt agtgagagtg attctcctaa attctcgagt gattcaagaa caccctggct 120  
 gtatcaaagg actttcacaa cttttgtgtg ttgccctcgc tggaaagagt gattcttttc 180  
 ttcctatcat cttcaacctt ggtctt 206

<210> 8625  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8625

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 ctcatcgctg tatctagcat tatattagcc gccactcctt cttgggtgag cccgaaagca 120  
 atttttcacg tgagagtga tcttgatgca tgggcctggt cttgggatca ttgatcagtt 180  
 aattaattct acgaccgaga aaacattntc taatttcttc aaggtaata tgacgtagat 240  
 tccttgacag atcctctata acattatctt ctctgctctt ctccaaagat ttcttcttta 300  
 ggcggtgatc ttgctggtag ttccttagag gttcacctcc aattatatat gtactgcccc 360  
 tcattntagc atgagcagat gctcatgag gggccatctg ctcttccatg tactatcttt 420

gagtttcacc tccaatcaca gctttt

446

<210> 8626  
<211> 487  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8626

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ggtttaaatct agtttggttc gttcaatttg gtgcgctgat ttgatttttg ttccttgagg 120  
aaaaatctaa tcacacgctt aatttcctct ggtgattcag taatgccatt tattttctgc 180  
tcgatttttc aatttttgcg ctggatagga tttaattaaa tgattgatcg tgctattgaa 240  
tgttgattcc tttcagattt aggtgattaa ttagattctc ttgtgtgtgt ggtgcagccc 300  
gtgggtgaaa actacgcaa tcccaggact tgcttctttc atgtcctctt caagggttct 360  
tttaccat taattgtgct ctttatcatg tctatttatg caagccattt tcaactttatt 420  
aaggcatanc tctttctttg tctcctctct caagctgcag ccttggcatt tacattctct 480  
cggcctc 487

<210> 8627  
<211> 398  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8627

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tacttgagaa acaaagggtga tcaaataaca agaagagatt ttaaaaggta ctaggttgcc 120  
tcctagtagc gttcttttaa cgtcttgagc tggacgcttg atggcttgct ggtcactgac 180  
ccagtacttt gttaccttt ggctctggac ttggtcgctt attgctcggc catgggtcgt 240  
aagcaacgct ctaacctttt tgtggatgag ctgaggtgaa ctctaaagggt gatagcgggtg 300  
cgtctgttgc ccgctgctgg ccatccccag gctactaggg tgtttcgccc tgcgcctgcc 360  
tgagagacgca gtacttcttg atgaaagctc gattagta 398

<210> 8628

<211> 314  
 <212> DNA  
 <213> Glycine max

<400> 8628

atactcagct tatgatgatg aatcaagtgg attctagacc atttaataat gactaagatg 60  
 ttgactaaaa gcccaaagaa tgatttcaag attaaatcat gaacaaattc aagaatctag 120  
 agaagtctga tttctagatt cacgaaaaga tgaattcaag ttccgaaaga acaaatcgag 180  
 aagacttcac aagggaagga tggtaaaata atatcactat aatgaacata gctcagtttt 240  
 gtctttcaga agagatttca caaaagtttc taaattacca gagtggttac tctctggtaa 300  
 tcgattacga gtgg 314

<210> 8629  
 <211> 459  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8629

gcttatgcgc atatttcctt acgaacgttc tcttgacat tacattctat taactaagaa 60  
 aaatgcaccc atatacaatc aagacagctt cgttacctag attatttaca cgtacttcca 120  
 aggtgtatgtt gttacttaca tcacacacat ctccttggtt aaatttacet acatgcatac 180  
 tcaaagcatt ttgggggtacc aaaaattgca catgtgcaca tcttggtatt tctaatacct 240  
 atacatacac aaacttcatt atgaatcttg actatctaca caataagggtg ctacatttca 300  
 tgctcttttc aagtttttgc tacctaaagc cgcatgcaaa ttcaagcata ttttcctttg 360  
 ctgactaaaa ttgtattcaa attaaagggt atacattntt ttgtaatgta ttttctttac 420  
 ataacatgca acatatttat gtatattttt tgtgagaca 459

<210> 8630  
 <211> 399  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8630

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tgtattgcac aaatataatg gattctccat tgacgatgat catgtagggc taaaaaatta 120  
atcgatctaa ggatccactc caagcaaagc tgaatttgag tccttgctgg gttttctact 180  
ctctgtgaat gttattcttt ctcttcaatc ctatatctgt ttacatgag tgcgattatg 240  
tctaggattg aaaatggatt aagctatgga ttcgatttct aatgtcaaaa gttaatcaca 300  
tattgnntgg atgatngccc actctcatnt gcgatttcca acaatttaga gattagattc 360  
gattgaactg tctctaatagc atatgagtga actttcaca 399

<210> 8631  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8631

agctntgtac attgtattat ttgaaactaa tagtcaagta tgtgccattt aaacatcaca 60  
ttatcatggt tgttctcttt togagatatt tcaatcattg actgtgttga ctatagatta 120  
atatgggtgt ggttgtgact gttatttata gttgctaggc cctgttgtgg tctttcttct 180  
tcaagagtct atgaataatt tgccaacttc agtggcgga attactctg cattgcttct 240  
taaagatgct gcttatggtg ctactgctta tgtttattac gaactctcaa actacttgag 300  
ttttaagac tggttaagttc atagctacta tgctttattg acgtaagtta tccatatttc 360  
gatcttgcca ttcttaaaaa ttgaagatca gtttaatttg ttgtgtctgg actctggtaa 420  
ccctaataaa tcacagccac cactggtaa tggaactc 458

<210> 8632  
<211> 483  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8632

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ggtatgtgca tttgtccatg ctcaagccc aaatgggtct tggacaaggg agaatgtag 120  
aaggcagttg cgatttacac ttttccatt tactaataca ctccattntc tgattttata 180  
attttttaac acaaaataat cccattccag aaaataatca aaagacaaat aaggttcctt 240

caatcacaaa gactcactct cttactcaac tntnttcaat cattgtgctt ctagaacaag 300  
atcttgattn tgattattat gagaatagta gtcaaaatga gagcacgaca atcaaggtag 360  
gcattatttc tttatttgag actctnttgt ttatgtaaga gataagaata tttgttggtt 420  
gnngttttga attgtaagct agtgagtgat tgngtgagct tgaacttaaa tataagtgt 480  
ctg 483

<210> 8633  
<211> 238  
<212> DNA  
<213> Glycine max

<400> 8633

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attgtattat gtatggctc cctggctctt caatatatta ccagacatgc aagttccaag 120  
ttcaagtctg atgagtcaca actttttata tactagttgt gtgatccgat tcaaccatta 180  
tgtaatcgat taccatttgc gaatgttcga taatagctcc cgagagtcca cctattca 238

<210> 8634  
<211> 285  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8634

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taacctcgct cctctttcat gacaccatcg tcaatgaatc tatctaaaga tatcaactgt 120  
acacgaatac gcataagcta aaattttaag ttcagtcgct caaaccagc gtgtcagccc 180  
aatctataaa accttcatgc ttttcagccc acacattcta gttgtctaac attacacatc 240  
cccaagaaga aacatgaatt acgactagct ntcatatcat atcaa 285

<210> 8635  
<211> 464  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8635

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aactcaccca aaaaatctga tttcaagctt aaattggtgg gttggtctgt gttcgtgcgc 120  
ttagecga aa tcataatcgc ttagtggtgca taagtggatt ttggcttagt gcactttctgt 180  
cgcttagtgg atgagttgaa gtgggtgcgc tgatgacctg gagcgatgca ctcaacgaac 240  
ctgataactc atcttcttct ggattcttct tcgggcttaa ccaactgagtg tcgcgcttag 300  
cgaatgctca ctaagccaga agattggctt agcgagaagg tgaaaacaac acatttgcca 360  
atttgccata ttaacctgaa attgagagaa attgattatt aaacacacaa aacaaaagta 420  
taaattatct attacctata ttttaacanan agtacttata atat 464

<210> 8636  
<211> 361  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8636

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ggggcaattc tggatagttt tcttgettga ttaagttgaa ttgcggggtt gtatgagatg 120  
gccctaggcc tataatgcat tttgaagtaa tggggcatgc cacattgtcc ccgttctctt 180  
gctattgatg cctaaacgcg cgcccaccaa gtgttcggtg aaatgcctca acggcattag 240  
cgcgtgactg ttgtanggaa acaacccatg gtgcaatgtg gtttgacata tttttggaca 300  
tgcattatct tcaaagacta gagtatagcc cccatatgcc tacgctacaa ctatatttat 360  
g 361

<210> 8637  
<211> 383  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8637

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tgatattgtc tgatccagct ttaactcttg cttgtgcatt cgagttaaat gatccatttg 120  
tgcacccat tttacctgat gaaaagaaga gagcttcagc tgctagatct gagcttggtt 180

ctttgtatgg gggttgtggt gaccagtttg ctatagtagc agcatttgaa tgctggcata 240  
 attcanagga aatgggtcta gaatcacggt tttgttctca gtactttggt tctcaaagca 300  
 ttatgaacaa gttatctgga atgcgtaaga atttagcagc agaactatat cagaatgggc 360  
 ttattcatgg gcagtttaca agc 383

<210> 8638  
 <211> 496  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8638

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 tcaaagaggg ttaaagaaat gttaatctta taaaatatga tcttgtaaac aataaaagat 120  
 tattacttac tttttgctaa cattttcggg agtagttatc gctatgttca aagtaagcat 180  
 tgttttttta tattgattac tagtgagagt ttccatgatt ntcttattat tgttgggaagt 240  
 aatcattgat aanaatgttt aagaaggaaa aaaattatat aaaaagtatg caaaatacta 300  
 gaaaggaata atttcatgtg aaaaagtgat tttgatattt ataatggttt tgaagtaatt 360  
 aactaacaaa aatagacact ccagtaataa taacataacg ttcattgtatc tttntctcta 420  
 gctaacttaa tttggatata acataacggt ctttaataac annatatnga catcattgac 480  
 tttgagaaaa aacaca 496

<210> 8639  
 <211> 370  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8639

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 aaaagctcac aggtcaagaa cacttcatga taacaaagat gatgatctca agaatcaaag 120  
 aatgagttca atatggttca agtggaatt agatttcaag aatcaagatt caaggttcaa 180  
 gttccaaga atcaagatca agattcatga ctccagattc aagaatcaag agaagactta 240  
 atcaagataa gtatgaaaaa gttttttcaa aanatgagta gcacatagat ttttctgaaa 300

acctttttac caaagagttg ttactctctg gtaatcgatt accagattat tgtaatcgat 360  
taccagtagc 370

<210> 8640  
<211> 254  
<212> DNA  
<213> Glycine max

<400> 8640  
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cttgaagcc aaattagacc tgtcaagtgg atgaagtcct tatatatgat gattcaaccc 120  
ttttctgac attggaggat gcattgaaga caaatgttcc gttttgtctt ttgctacacg 180  
cgagagcaac acacacgtat tactcttgca tatgtatcac tcatggaggg ggtgtgtact 240  
gaagatgcaa taca 254

<210> 8641  
<211> 409  
<212> DNA  
<213> Glycine max

<400> 8641  
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agcctgtaat tgattacaac ttgtgtgtaa ttgattacca acatgagaat tcaaatttca 120  
agtctgaaga gtcacaactc ttcagaaatt aactgtgtaa tccattacaa cagttatgta 180  
atcgattacc aataaggaat tttcgaaaat aactcccaag agtcacaact gttcaaattt 240  
tttttgaatg gtcacaaatg gcctataaat caattaccag acatgaaaat tcaaatttca 300  
agtctgaaga gtcacaactc tttagaaact aattgtgtaa tcgattacaa caattatgta 360  
atcgattacc agtaaggaat tttcgaaaat aactcccaag agtcacaac 409

<210> 8642  
<211> 498  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8642  
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ggagatatgt cgcgngggtc aggagacctt gnggacgtca ggtgggggtgc tattgcccac 120  
 aaccaagctt gaccaatccc gacccaaccc gggcgtagtc agtcagtgcg aacctgtgat 180  
 gtacctaac aggcaagctc ctggcagtc accgataaaa gaacaaagac cacaaagcaa 240  
 ggaggcttgt gtggtggctg gccagctgtg aatcttgagt gatatatagg atatggcctc 300  
 tggtaatcga ttaccaaggg tgggtaatcg attacaaggc ttaaaaacga gatcaggaag 360  
 ctaagagggc ttctggtaaa cgattacaaa ggggcgtaat caattaccag gcttagaaat 420  
 gggactgtga atgtgaaggg gcctctggta atcgattaca cagaggaaca ggccatttgg 480  
 tatcaattac cagttata 498

<210> 8643  
 <211> 436  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8643

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 tgaaatgtta ttgtcgtag aattagctac gagcttcggt tttaaatttc gagcgtctcg 120  
 atatatttcg ggactcaatc ggacttccga gagaaaagtt attgtcgta gaattagctg 180  
 cgagcttggg ttttaaattt tgagcgtctc gatataattac gggactcaat cagacttcct 240  
 agtgaaaagt tattgttgat cgaatttgct acgagcttcg atttggaatt tcgagcgtct 300  
 cgatatatta cgggactcaa taggacttcc gagtgaatg ttattgtcgt tcgaatttgc 360  
 tacgagcttc ggggttaaaa ttgagcgtc accatatatt acgggactca atcggacttc 420  
 cgagtgaat gttatt 436

<210> 8644  
 <211> 403  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8644

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 atcgagacgc tcgaaattta aaaccgaagc cagtagcaaa ttcgaacgac aataacaatt 120

cactcggaag tccgattgag tcccgttaata tatcgagacg ctcgaaattt aaaaccgaag 180  
 ctctagcaa attcgaacga caataacaat tcaactcgga gtccgattga gtcccgtaat 240  
 atattgagac gctcgaaatt ttaaagcgaa gctcgtagca aattcgaacg acaataacat 300  
 ttcactcgga agtgcgaaatg agtcccgtaa tatatcgaga cgctcgaaat ttataaccga 360  
 agcctctagc aaattcgaac gacaataaca tttcactcgg aag 403

<210> 8645  
 <211> 441  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8645

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 tcaaaatata tggaagggtg aagaagatga agaattggagg caaagggaag ctttctccct 120  
 cgcgagatt gtagagacgt gccaaatgaa ggacccccctc ttctaaatga tagtcaaate 180  
 ctatttatac aagagccaaa aattctattt taagtactt ttagctgagt tcaaaatttt 240  
 agcttcagct aaagtgcaaa acaacttaag ggcgaaagag aatctagctc caacttccaa 300  
 atttagctca cgcttcaga tgtgtttttg cttgctgtca gaatttagct ccatttcat 360  
 tccttagctc aactaaattg aagtcacct cctcaaaata gctctagaga ttntctacta 420  
 tccactccat ttctacaaaa a 441

<210> 8646  
 <211> 336  
 <212> DNA  
 <213> Glycine max  
 <400> 8646

aatcatccc tcgcaattat tgtaccgct gggttggtacc tgtgatgatc acgaattttt 60  
 gttcgtggga gcagaatgac agcagtagag tacgagaagt gagattcttt tgtggagccg 120  
 tcgagctgac tcgatgacgt tgagattata ttgggagagt cgagtgttgt taatcaacte 180  
 cttcatagtt gggtccataa ctcttggtgt tgaattgagg atgtgcatca caaatgtaat 240  
 tatatgtatg aacaaattta ctttttatta tgcgaatgat atgtgctgag ttactatata 300

tatgtgtgcg tgcgtgagtg tatgagagta ttcact

336

<210> 8647  
<211> 444  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8647

agcttgacag tattacaaat ctcaatatac gtcttcaagt gtgagtatgg atcttcattt 60  
ggtaaaccat gaaacaaatt gctctgtatt agctgtatca atgaagggtg gtaagataag 120  
ttttgtgctt gaacctctgg ccgcacaaca cttgagaaat attgcggcac caaagtactt 180  
gagtaatctt ccaagggtcac tcatcgtggt tgctcttcaa ccatgacttt ggcttcaaatt 240  
tctgttgttt gagattcctt ggattntggt gaattagaag atgatgactc agaaaagtga 300  
gccctttcaa ggattgatgc tactgttcta tcatggaaaa gctttctttt tctctcagag 360  
ttctttcttc taaaggggtgc ttcaatttct aaatccaatg gaaccaattc acctgcagaa 420  
gatctacaca tccaaacact taca 444

<210> 8648  
<211> 388  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8648

ntataagtgc gggtttaaga cacgaaggcc aagtcgccgc gatatgcgag gatgactccc 60  
cgacgagatc gganttggtg cgaccatgtc ctcttggttt ctgactagga aattggcgag 120  
tgaggaggatg ccagacggtt tacgcgacaa gcataatgta accctatgta gctctaaaac 180  
tctacggttg ggcttaggct atagagtttc cttttgttaa ggcattatgt cttttgctct 240  
tgaatgtata atataaagag ctttcttcat ttgttcctgc gcctctacc attctcattc 300  
attntcatgt ctacttcttt acgctcaaga cgctagatcc aacgacgagt ccctcgaaag 360  
actaataccc gagactcggc cgtcaatt 388

<210> 8649  
<211> 445  
<212> DNA

<213> Glycine max

<400> 8649

agcttgagag gattgatggt gacccggtgt tgtagaaac gaggatatgg gctacgtggg 60  
agtacatgag ctacagttgga ggtgggcaac aggggatggt gggtttatgc gcgcattgtg 120  
gatgtgga aa acttggtgtg caccatcgcc cgaccgccac ctagtaccac atgtgatggg 180  
taccataa tctacaagc ttgagatgag gaagtgttga aggtgaaac ttctgcttt 240  
tattgttgac cacagagtgg tacctggaga tatgtcggg gggtcaggag accttgggga 300  
cgtcagggtg ggtgctattg cccaaaacca agcttgacca atcccgacc aaccgggca 360  
tagtcggtca gtgagaacct gtgatgtacc taagcaggcg agctcctggc agtcaacaga 420  
taaaaggaaa acaagaccac aaagc 445

<210> 8650

<211> 473

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8650

acaatggttt taaaatgtgg ctcataaact tggaatccct atccgacaca atgctcctag 60  
gaaatccatg aagagtcact acctctttga ataaaagata caccacatga caagaatcat 120  
ccnctttgtg acatggaatg aagtgtgcca tctagaaaa cctatcaaca accacaaaaa 180  
tcgaatcttt ctctcttgg accttggaag accaagtaca aaatccatgg aaatgtcggg 240  
ccaaggggag gtaggaattg gaaatagagt atacaaacca tgatgcatga cntagactt 300  
tgcgttatga acaaaanttg ataatatcat gtttcattnt aggccaaaag aaatgttcat 360  
gcaaaatggt caaagtcttt taaactccan aatgtcctgg ttaacccct ttatgagctt 420  
cacanatcat gagttcatga naggaacttt gaggcaacac aatcttttat ttt 473

<210> 8651

<211> 444

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8651

agctntgcat gtctagtcat tctagagaga gaaaggtccg agttcaagag agttttgaga 60  
 tattttgttg tgtgacgac tacagagact agagcttgaa gaggaagctg ttctgagagc 120  
 ttgagatgag tttgtgagtg gttgtgagat cctagaggtg aaggagacat cctcaccact 180  
 ttgtattttg caatctttca tttttttctt ctctttggtg aaaggaggct tctcgttat 240  
 ggaaagccaa aatcctccgt tggatcttcc ctgttggtac ttgatgtaaa tatcttttta 300  
 tctatttaat gatgttttgt gtgttctcta tgctatcagt ttttcattct actatgcctt 360  
 taccatgac acgtagatgc atgctttgtt agggtcattc aacagtggaa actagtctaa 420  
 ttctgatgac cttgatagga caag 444

<210> 8652  
 <211> 535  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8652

ctaagcttct nactntnttt ttggctgagt gaggtaggag agagagaacg cggctttgtg 60  
 ttntaagaaa agggctttct ctntnttttt taaaagatgt gccacatgtc ttcttttgag 120  
 tggagcaaaa agggccatt ntttctcttg atgtgactca cactcagcca caagaagaga 180  
 aaaatctgac cttttgaaat gctaaaatcc tgccctcagtt tgcgtgtcgt ttctctgggt 240  
 ccagtccttc gcgtttctct gcacccgtcg gggccagttt ttgaaagtaa gcaatatata 300  
 tatatcaaaa cgcttagaat gaaaccccg gcggtggttca gaggttggtt ntgttaaaat 360  
 ttaagttgca cgcaaagaca ataattttag actaattaat tgagaattaa cctataacta 420  
 tccagttatg gatntctctt ccgtaattag cctaaccgc gtatctttcc nccaatatac 480  
 ctacttctac caggagtata tatatatata tatatatata tacactgaat aatac 535

<210> 8653  
 <211> 399  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8653

agcattatga gagagtcaaa gatcaaatgg agaggaaaaa ttataactat gctaaacaag 60

ccaacaaagg gagaaagaag gttgtcttcg aaccgggaga ttgggtttgg gtgcacatga 120  
 gaaaagaaag gtttccggaa caaaggaaat caaagcttca accaagggga gatggaccat 180  
 ttcaagtgc tgaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240  
 atgttagttc caccttcaat gtctctgatt tacctctttt tgatgcagat ggagaattcg 300  
 atttgaggac aaatccttct catgagggag agaatgatga ggacatgacc aagagcaagg 360  
 gcaaggatcc acttgaagga cttggaggac ctattgaca 399

<210> 8654  
 <211> 444  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8654

acattgagat gctataaatt gagatatgga agttcttgag agattcaatt ggtcataact 60  
 tttcactcgg atgtcagatt caagagcaaa atatacagag acgctcgaaa ttgaacaacg 120  
 gatgctctct agaaatntaa atggtaaaat tttttcacat ggatgttata ttcagacaca 180  
 taatatatcg agacgttcga aattcaagaa ttcaaaaatt aaagttctca agaaatatag 240  
 agatgaaaaa ttatgaccat ggggtgtacga ttgagaccca tgatatatcg atatgctcaa 300  
 aattcaaaaa ttgggtccaat tcanaaattc aaagagccct aactntngac atgggtgtac 360  
 gatngaggcc catgaaatat cgagaacgct cgtaatgaaa aattgaagtt cttgagaaat 420  
 tcanatagtc ataacattta actt 444

<210> 8655  
 <211> 424  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8655

gctttacagc agattntatt aatgaccac tattctatta ttttaataact taatgccatt 60  
 aacctacgga attaaaacaa actaaatggc tgagtgtaac tgaaattggt ggcaacaaaa 120  
 agttaccccc aacagccaac aagtcagcca ccatttggtc tcccaaaagg ctgatgccta 180  
 gggtgccaat tggggccctta ttacaacttg aactaaagcc cttttagttg attaaccxaa 240

aacatatttt tggtcagcca actttacaag gattgtgcca ttatttagac aaactaaaca 300  
 ctctaaaatt gaaataaagt ggtgtcattt agtcctccat ttggggccatg atacaactca 360  
 caaccttgga cttttctcct tgaaacttgg gcttgtattc aaatagtatg gacagcactt 420  
 gttg 424

<210> 8656  
 <211> 503  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8656

ggtagtatta tggggtagcc atcacatgag ggactaggtg gtgtgtcggg cgatgggtgca 60  
 aaacgattct ccacatccac aaatgacgta taaccaccca tcccctgttg cccacctcca 120  
 actgagctca cgtactccca cgtagccctt atcctcgttc ctctcaacgc cgggtcccca 180  
 tcaatcctcc caagcttcca caacatccag gtaattccac atccaatcat catggactca 240  
 caaaaccaag caaaacaggg caaaggcaga aaactctgcc caaaacacaa accaatatca 300  
 cagcttttca catacaaata ccccagtaac attttcttcg ttccaattcg ttaaccgttg 360  
 gatcgactcg aanatattac tggaagtctc tagtacataa gtctacattg ttaccgctgg 420  
 gatctgctag caaatgttca taaccccata tgtactaccc ttgtcacaa cagccataca 480  
 ctagcgattt tctgcactta tac 503

<210> 8657  
 <211> 350  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8657

agctngcctc anagaggtcc aggaaggaca aggtggccga attaactagt tccgctcctg 60  
 agtatgacaa tcaccgcttt aggagcggtg tacaacagca atgcttcgag gccatcaagg 120  
 gatggtcgtt tctccgggag cgacgcgtcc agctcagga cgacgagtat actgatttcc 180  
 aggaggaaat aaggcgccgg cgggtggacat cactgtgtac tcccatggcc aagttcgatc 240  
 cagaaatagt ccttgagttt tatgccaatg cctggccaac agaggagggt gtgcgtgaca 300

tgagatcctg tgtaaggggt cagtggatcc cgtttgatgc cgacgctatc

350

<210> 8658  
<211> 503  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8658

acatctcccc tntctcaagc aaattcttct tgatatcatc aaaatcttca tgatttacat 60  
tctccccctt tttgatgatg acaaccacct gcaggtgagg agcaacaaca aagaaaatat 120  
ctatttgcac atagtttact ccccttgggt tttgcaatga ttgcttatat gagacagttg 180  
aagatttcat atttttcata tgtaaacaaa ttgtctcata aacaatagat aattnttctt 240  
actattttat cttttatctt tctctcccc tttgtcaaca tcaaaaacaa atcatgaata 300  
gagaggagaa agatgttacc acttggtgca atgtatgata atcaagtgat accaaaagggc 360  
attaaaataa tcattcaata ttaatcaagc aaaaacaagt acaacgacac atcaatcaaa 420  
cacaatcaaa tacaatcaat catcaaatat ttcanatcan attaattaaa ttaacaatca 480  
actaactata cacaataatt tct 503

<210> 8659  
<211> 511  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8659

ngatgaacct gatgcntcga gatccgtaga gtcacctgcg gcatgcaagc ttgcggaagc 60  
tcttacaagc tggcctgcaa tctgtcatta tatgctaggc tgcagccatc atcatgaact 120  
atgatgtgca ctatctgccc atgctcatat atatagatat atatatatat agatatatat 180  
atatatatat atatatatat atatatatat atcagcaaac taaggctgag gatcctttgt 240  
gtgagcatag ttacatactc acacatttca agtggacaga cagcgtaata agtnttacac 300  
actcactaaa acaccacaca ccatgtgtga tacgtctatt gactcttaaa ataattatct 360  
tagagtaaata caaacggtga tttatgagcg gatgacagta taaaactggt ntacattatc 420  
aacgcacagg cattattttg cagtcatatg gcatattatt aagaagctca ccattgaaaa 480

ccataagttc cttgcgctca aagacacgaa n

511

<210> 8660  
<211> 349  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8660

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aactggatg ggtttcatgt nttgttcttc gaacatcatt ggagtgtaat ggggagagat 120  
gtctacaatt tcactagagc tttcttttag gatccaacaa aaattgctga agtgaaccaa 180  
acttttttaa ctctgattct gaagaaatgt gaggtcaatt ctattaaaga tatcagacct 240  
cttagacttt gtaatgtgat ttatgaagct atgactcgtc ttatctctca acgcttgaga 300  
ccaatgatgg tgaaattagt gggtcatttc caatctagcc ttaccccaa 349

<210> 8661  
<211> 434  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8661

agctngaaga ggatgcttta atggaggaaa agatttagag aaggagggat cacgaaattg 60  
aatgaataan agaggagag aagtggaact ttgaagtgtg tctcataaga ctttcattca 120  
tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtagc ttccttgaga 180  
agctgtcttg agaaaacttc cttgaaaagc ttctttgaga aaacttcctt gagaagctag 240  
agcttagcta cacacacccc tctaataact aagctcacct ncttgaaaag cttccttaag 300  
aagattctaa agatgctaga gcttagctac acaaacctct ctaatagcta aggtcacctc 360  
cttgagatga gaagctagag cttagctaca cccccctat aatagctaag ctcaccccca 420  
tgacaaaata catg 434

<210> 8662  
<211> 442  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8662

ggtagaatgg ctagacatga tacatgtcag gggttggttn gggtcaagga taaaagggat 60  
gccccacatt atttccatga cacaaatgca aaaatgatga tttggaaatt ttatgcaaaa 120  
ctgggtcatgc atgcacctat gtggacgctc aagtgtcaaa tttttatggg catctgatgc 180  
taggggtcaa gattcatttc ctctatttta aatcaacca atgtttccaa aatatgttct 240  
tttatcanat tgtgcattca tccgagtcca tttcgggcgt ccgggaaaat attcacagca 300  
ttcacccttc aggtgtacac acacattntc caaaaattag tgaattnttt caaagaaaag 360  
ttggaaatca tctcttttca naagcgtggt ggtnnttcag ctagaaaact taattttctt 420  
cttttttttc tttnttttat ca 442

<210> 8663  
<211> 424  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8663

agcttccatg ggattcatgt cttttattat tttattgcct acttgaaatt gaacaaatct 60  
gtttaaacgt aacatgaatt cattattagc ccctcgctta acatttctag ttaataacat 120  
cctgcatatc ttttaacatcc tacattagat atgggacaaa atatatttgc cctcatgaat 180  
atattttatg tttgctcttt gataattatt ttcttttaaat tcttcataaa atataatttt 240  
atgtgtaatt cttataaaatc agtagtgaat tttgggttta tttcttgata ttttttatat 300  
ttattattaa ttttttttca aaggaactaa taacaaatga attttttatc agagtaaata 360  
aatttttttc taattaatag gaattaaaaa aagggtntaa gaataaaaaa ttgttatttt 420  
tattc 424

<210> 8664  
<211> 408  
<212> DNA  
<213> Glycine max

<400> 8664

tctgtccctg agaaactggg tcccagaaga caacatggag tgtagattgc tgtaaaccct 60

agccttgcaa caagttctag ggaagtagac acggagatgg acaagaaaat ccgcagtatg 120  
 gtgagtagca ttttgaaaga agcctctgtg cctgaagctg atgaagatgt tccaacatct 180  
 tccaccccgga atgtttctat gcctgatggt gagaaagatg ttccaacatc ttccggccca 240  
 aatgatgaag tactctcttc ctccagcaaa gagagatcaa cagaggaaga tgatcaagcc 300  
 gcagaggaga cccctgcacc aagggcacca gaacctgctc caggtgacct cattgactta 360  
 gaagaagtcg aatctgatga agaaccatt gccaacaggt tggcacct 408

<210> 8665  
 <211> 433  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8665

agctattncc atgggtcgag cggctttata atatattatg gaatgcaggc acaggcacca 60  
 ctccatttga gataaccttc gggcggaagt cctttaattt tccagaatac attgcgggga 120  
 ttgcaaaggt ggaagctatg gaagatattc taccagaaag ggaggccacc ttctaggcaa 180  
 ttcgaaagaa gctcttgaaa gctcaagaac gcatgaagac atatactgat atgaagcgcc 240  
 gggaggtcaa ttatggctcc gatgactggg tcttgggtcaa gctccgacca tatcaataaa 300  
 catctgctaa aggaacacag gccattacag gcaaattggg gaagaggtat tactggccat 360  
 tccaaattaa agagaggata agcccagtggt cataccgctt acaattgccg aacggagcgc 420  
 gaaatcacc tgt 433

<210> 8666  
 <211> 409  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8666

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 aagctagtat atctcatcat caggaatatc tggngttagg aatttcttg gatctttact 120  
 tatttcttca tagtttaggg ttgatttcac ctttctggc actggcatga gaggaataat 180  
 gctatctcta tcgattacac catcaataat tccgtattcc actgcttcaa ttggagacat 240

atatttatcc ctatcaatat ctctttgcac ttgttcaaat gagcgtccag tgaaacttga 300  
 tataattctt gtgatattat tcttgttgtg cataacttct ttagcctgaa tttctacatc 360  
 tatagcttgt ccactagcac ctcttagagg gtgatgaatc ataattcgt 409

<210> 8667  
 <211> 433  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8667

agcttgtctc agcgtttatg cgagacagag acttacatgt tagctatcat cgccaagtac 60  
 gaagaagagt taggtctagc cacggccac gagcatagaa tcgcggatga gtatgctcaa 120  
 gtatatgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc 180  
 atgtggatgg atcggtttgc tcttaccttg aacgggagtc aagaacttcc cggattgtta 240  
 gccaaggcca aggcgatggc agacacctac tccacccccg aagagattca tgggcttctc 300  
 ggctattgtc agcatatgat agacttaatg gccacataa ttagaaatcg ttaggaaact 360  
 tgtatggtct cttagacctt gactagatat gacttccttt ttgaaatana atgagttggt 420  
 cccatgttcc tac 433

<210> 8668  
 <211> 500  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8668

tacctcgaca ccaacagtga caatggcagc gagagtggca gtgagaaaga agagtcgcan 60  
 aaggaaccaa taatattaag gtgtggaatt gcgagactgg cagtgacaat ggcagcgaga 120  
 tgcggaggca cggagttgcg atgaagacga tgacgcgggc gacactagag ttgcggcaga 180  
 gacttgaatg aattagggcg tggagccaat aatattttta aaaattgagt cgtaaacatc 240  
 ggtttttcca tcaaaaccga tgtaacaaa gtgatgttta cgtaaacatc ggtntttttt 300  
 ataaaaaaaa aattgatgtt aacttataat ttaccaacat cggtnntttc aaaataccga 360  
 tgtaaggaa gtgatgttaa ccttaacatc gattntntaa gaaaatcgat gttaacttat 420

cattntccaa catcggantt ttgaaaacgg acgttgcgtn tcatgtaaca tcggttctca 480  
aaaccgatgt aacctactat 500

<210> 8669  
<211> 446  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8669

agctctcacc ccataattcc cccatatttg ggcttatntg ctttgaacca aaatttcctt 60  
ttatgaatga tgctctccta caacctaaga taaggtagaa ggagataaac tatacaggct 120  
caaggttcaa tcaaacaatt atactttcag ctcaaaatgg tgcaagggat aaatcaatca 180  
tgcacgaggt aagcttttta gctaagtggc tatcttcaat ccaaacatgg ctttcatcat 240  
ctttaatttc acgcattcat tccatactca aagattcatg caaaaatcat tactcaatgt 300  
tagtcgttct ctcaacaatta aagatcacac tctcaccggg ttacggctaa tgcgttcctt 360  
cacaatcaac ctgacaaaacc aactaacatt ttcattcatg atcctcattc catgttcttt 420  
ctcttctaata gattgcatgc tcattc 446

<210> 8670  
<211> 343  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8670

ttacatgccc aactcctttg agtgacattg tattgggtgt taacttgact gttgcatnt 60  
attacatttg atatctgttc tgcattgtgc atcatcatag tgcgagtaaa gaaaattttt 120  
taagttagaa aaatttcttc agatgcaaaa actctcagtt ttaatctatt atagagttcg 180  
tcgaatcgat tacaagctgt ctgaagctta naaagttaag tctcatatcg gtttaatcaa 240  
ttacaatagt attttaatcg attacactgc tgtttgagac aatgactgat tnttcaagag 300  
tctctgctgt aatcgattac caggtggatt aactcgatac ttc 343

<210> 8671  
<211> 170  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8671

atggaatact tactcgttgg tgatgatcan aagcgcttaa cggaatcata aaatgcgaga 60  
aaggatgacc ctatggctgc caatttgtca atcccgtggg tatggctggt gaaaggtggg 120  
gaaaagaagt atctgaatgt ataaacgccc accctttcgt cattattata 170

<210> 8672

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8672

agcttaacct tgaactacta tgttgcttaa cattgttaga gataggggaa gcaacatgat 60  
caacatggtg aacaacctan aggctatagc ttgaagctca aggaaaagct tgaagaattt 120  
ttggctttta catgcccagac tcccttgagt gacatttgta ttggttgta tcttggttgt 180  
tgcattattan tacatttgat atctatattg catcatgcat catcatgggt agtgagaaga 240  
aaagtttcta agttagaaaa gttacttcaa aggaaaaaat tatttgtttt aatcaattac 300  
agagttgtcg taatcgaata caagaagcta tctaaagctt aaagagttga gtctcgatc 360  
gatttaatcg attacagtag tctcataatc gattacacta ttgtttgagt caatgactga 420  
tttattcaag agtctttggt ttaat 445

<210> 8673

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8673

tgagatgagg aagtgtagaa gggtagagact ctctgctctt attcgttgac cacagagtgg 60  
tacctggaga tatgtcgcg nggtcaggag accttgagga cgtcaggtgg ggtgctattg 120  
cccacaacca agcttgacca attccgaccc aaccgggca taatcagtca gtgagaacct 180  
gtgatgtacc taagcaggtg agtcctggc agtcaacaga taaaaggaac atagaccaca 240  
aaacaaggag gctcgtgtgg tggctggcca tctgtgaatt ttgattgata tatgggatat 300

ggcctctggt gatcgattac caaggggtggg taatcgagta caaggcttaa gaatgaagac 360  
aggaagctaa gatggtctct ggtaatcgat taccaagggg tgaatcgatt acc 413

<210> 8674  
<211> 459  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8674

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actattgggt ntgtacattc aattctttta ctatgggtat tcgcttttta atatgtgggt 120  
gaataacttt atttttttcc tctaataagg ttatttaaag gatgatgctc cactacctct 180  
tggtgcactg caatgacatt gtcattcat gagatattcc atacttatat tgaatacaat 240  
gtttcaactc tttatttcta actaaagaac atgaatattc agtaaagtgg aaatatgtat 300  
tttcattgtg tattgtgaag gcataaccct acaacaaaat ggaaatacat ttctacttgt 360  
attctgaaga atgaaaatgt atttctgtca aagataattt tgtaaaacaa tccataaaaa 420  
gcatgagtgt gaacttagaa naaaatggga tggaaataa 459

<210> 8675  
<211> 450  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8675

agctgctatg gaggtctggat cttngagctt caatgaggtc cttcaatggg gattntccac 60  
catatagatg cagcanaacg caaacgagaa gaggataatg gaggcacat ccactacgga 120  
ataagccatg gaagaaggag cttcaccact gagaatgtgc cttggataag aagctcgaag 180  
aggatactct aataggggaa aagatagaga gaaggtggga gcacgactct gaaggaatac 240  
tagagggaga gaagtggaaac tttgaagtgt gtctcataag actttcattc atcatagtta 300  
caacaagtgt tacacatgct tctatntata gactaggtag cttccttgag aagctctctt 360  
gagacaactt gcttgagaag cttctatgag agaacttcct tgagaagcta gagctgagct 420  
acacacacnc ntctaataac taagctcaca 450

<210> 8676  
 <211> 310  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8676  
  
 tttaaattta tgatttaatt nnttttgagg tggagttgat attgagaagg aggaantaan 60  
 agatttgagg gtaaattntt tttaagggga agaaaatgat gnaatntttt ntaggaaggg 120  
 annagtnatt agaagtatga gnaagagggg ttaagagaat tgggtagag ntgntgaaaa 180  
 aggggtagg gtttttatga anntnaagat agatttttga gnnnatggan naatgttggg 240  
 ttnaattatt tttgtanata ttaaantagg atgggtattat atttggtntt tgtatttagg 300  
 gttnnataat 310

<210> 8677  
 <211> 421  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8677  
  
 gacactatga aactaagcct atctagttat aatggattca ctggaggaat agtggacact 60  
 acactattca naaagggcta gaaagggaan ttgttgattg ttcaaactca tgtagatgac 120  
 ataatctttg gtgcaacctt agaaaagatg tgcaaagagt tttctgggct aatgaaaggt 180  
 gaatttgaaa tgagtatgat ggggtgagtt aagttcttgc tagggcttga aatcattcag 240  
 aaagatatga tggatattta tccttcaaga aaaatacaca aaggacatac ttaagatggt 300  
 caaaagggat gaagccaaac ctatggctat tcctatgtat ccttctctag tcattgataa 360  
 ggatgaaaga ggtaatgata ctcgtaaaaa gataactgct agtagaccag atattgtatt 420  
 t 421

<210> 8678  
 <211> 446  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations

<400> 8678

agctttcttcc ttagccattg tagtttacta tggtttgtct cattctacac ctattggatt 60  
 ttggattatg gtgtttgtaa tcatttaact agtaatcctt ccttttctca aaattattat 120  
 tccccaaaac actagatcat accattctcg ctaacaacca atggctntaa ggtattatct 180  
 tgttgagaaa tctgagggga taaacaccga ggatatttac accaaagggg tactaatata 240  
 agtgagtcta acatcacacc ttaatccaaa atcttaagga taaagtttat gggtcctatc 300  
 cttacttttc aaccttctta ttctaccg atgtgggacc tcattttaca cttatacttc 360  
 aacaatctcc cctcaaatg taagtctctt ccacatggta gcttccccct cgagtggag 420  
 tcattntcaa tccatgagta cctagt 446

<210> 8679

<211> 340

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8679

acactccagc tcttataaga caccctacc ttgcaagtat tntgttcaat aatgtgattg 60  
 aagcaaatTT tttattagat ctaattaaat aaatgtttag tattntgttc tttcctatta 120  
 gtctgttgat agctaactgg aataaaagaa aagctaaggt cggaccagtt gatagctaata 180  
 tggaataaaa gaaaagctaa attgcaggga ataactatga tatctttgta tttcatcatt 240  
 accccctttt atagccatct catacaagat attntgctaa gtngttataa cagaattatg 300  
 aaattgcata accacacagg tatcaagtaa aacgtggaaa 340

<210> 8680

<211> 358

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8680

ccgagactcg cgctccctgt taatgtttcg gtagtttctt tttatcagnt tctgggccac 60  
 cccctgata ttggaagagg gccaaactgtg cgagcacgac agagagggag gctgtcagat 120  
 ggctattatg cataccgggg caagatttca cccgtaccgc tgcaaagaga caagtgcgga 180

ccatgcgcac caacatgacc actcttacac agatatagat gacattgcta cttagcaaca 240  
 ttcttgccag cgaccgcaat gccaatctcc ccctacaaaa gtatcagttg gtctgtgtcg 300  
 tcccgcacatg ggtaagtatg catatgggtc aactgatttc tgataccatc tattgggt 358

<210> 8681  
 <211> 441  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8681

gggagaggat gcttcaatgg agganaagaa agagggagag aattagagag gggggagcac 60  
 gacattgaag gaagaaaaag ggagagaagt tgaactttga gttgtgtctc acaagactct 120  
 cattcatcaa agttacaaca agtgttacac atgcttctat ttatagacta ggtagcttcc 180  
 ttgagaagct ttcttaagaa aacatccttg agaagcttct ttgagaaaac ttccttgaga 240  
 agctagagct tagctacaca caccatcta aaaactaagc tcaccttctt gagaagctgg 300  
 agcttagcta cacacacca tctaaaaatt aagctcacct ccttgacaaa atacatgana 360  
 atacaaaaaa aagaagtccc tactacaaag actactcana atgccctgaa atacaaggct 420  
 aaaaccctat actaatagaa t 441

<210> 8682  
 <211> 294  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8682

agctngagat gaggaagtgt tgaaggggtga aactttctgc tttntattgt gaccacagag 60  
 tgggtgcctgg agatatgtcg cggcgggtcaa gagaccttgg ggacgtcagg tgggggtgcta 120  
 tttgccaaaa ccaagcttga ccaatcccgga cccaaccggg gcataatcgg tcagtgaaga 180  
 cctgtgatgt acctaagcag gcgagctcct ggcagtccac agataaaagg aacaaagacc 240  
 acaaagcatg gaggcttgtg gtggctggcc agctgtgaac tctgaatgat atgt 294

<210> 8683  
 <211> 377  
 <212> DNA

<213> Glycine max

<400> 8683

tgatcacatca gataatgtca aaaatcgtat cattttattg agaatcgggc atgggtattgt 60  
aagtgcacatc cttggccaga gtggatttga ttgggatggc actaagcaca tgatcacagt 120  
tgagaatgaa aatgcttgga atgaatattg cactgtaagt attctttctt taatatgttg 180  
ctattcgcta ttcaaagtag attggatttg actttttctt tgtttccaat cgcataaate 240  
ggctaaactg tttcgattca ggtgcttcac aattgggatg atataaggga tttgtgtgct 300  
aaagatagag ccaccgggtca tggagctgaa actgctatgg atgctgatga agcgatgagt 360  
atagaaacaa atgaagt 377

<210> 8684

<211> 317

<212> DNA

<213> Glycine max

<400> 8684

gcttttgttt acaaagaatt tttattctgt accctcgggt tttgcgccgc agcgtgactc 60  
aaaagtagta tgacagattt gtgagcacgg aaagacgtaa taccgggtga acgggcatgt 120  
cggcgcatcg acaatgggca caaacgacgt agtctctacg tgctataggc ttttcgttta 180  
cgacagaaaa agttatcgga ttgtagtgct tactctactg aggttaaagg tggctagatt 240  
ttgtaaacat agccttaaca tgaagaactg gagttgtgac atgatgtcac gtatgtaaga 300  
ataaacggcc gacatgc 317

<210> 8685

<211> 470

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8685

gcttgtgaca cgtggagatt aggttatctt ccacgctcac aagatctgtc atactgactc 60  
ttgcttcacg ctgacggccg gaaatacccg agtggttata cgtataaact tcttgcatc 120  
tgtaagacga aaagcctgat aacacgcaga gactaacatc gtcttctgcg accttcgtca 180  
atcgcgcccg acaagcccgt tgacacgtgg agatttacgt catcttccgc gtcacaaga 240

tctgtcatac tgactttcga gtcacgctga cgggcggaata taccgagtg gttatccgta 300  
 taaactgttt gctgtctgta agacgaanag cctgatagca cgcagagact aacgtcgtct 360  
 tctgcgccct tcgtcaatcg cggacgacat gcccgttgac acatggagat ttacgttatc 420  
 ttccgcgctc acaagatctg tcatactgac tnttgagtca cgctgacggg 470

<210> 8686  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<400> 8686

agcttggtga aattgccatg tttggatgag ttattcatac ccattctgtt ttacgggtta 60  
 tgtgatgatg tttgtgatgt ttatatactg aaattgctga tggaaaactg ttagagatga 120  
 agggtagaac taacctatgg ttagaaagtg ggaatgtgat gttatgagtg gaaaaagagt 180  
 gaggctttga gagttggaag gttaagtatg aattctgtga taaatggagg ataaagtgag 240  
 ttaatactag cttgaaatgt catttatgac ttgggagaaa gcttggactg tgctagagag 300  
 aaaaacaaat gatcaaagtg aacaaagagc catttctagg gcaaaattag gtgttgaaga 360  
 ctcaaatttt gagttggtgg aattttgggt gtaaaccag tttgaacaag tctaaattga 420  
 tggatatagac tt 432

<210> 8687  
 <211> 420  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8687

ttatgatgat gcttgtgagg tttgtgtgct gaagttgctt atggaaaact gttagagatg 60  
 aagggtagag ttaacctacg gttagaaagt gagaatgtag tgctatgagt ggaaaagagt 120  
 gatgctttga gagtttgaaa ggttaaatct ggatttggtg gtaattggag gttaaaggga 180  
 gttaatccta gtttgaaatt tcatttacga ctgtgggaaa gcttgggctg tgcaaaggag 240  
 aaaaatgaat gaccaaagtg aaggccagag ccatttctag ggtaaattgt gtgttgagga 300  
 gtcaaatttt gatccggtgg aattttatgc gtagaaccag tttgagcaag tttagattaa 360

ggttatagac ttgtgtgagg tgagaagttg ctccatatnt accccattct cattttcact 420

<210> 8688  
<211> 419  
<212> DNA  
<213> Glycine max

<400> 8688

agcttaggaa cccaaacttg tagcttcaat gctttgaaac atgcttatgg ctaggaatcc 60  
aaaatttggg tttagaatta gaaaaacatg aaaattagga cttgcttgtg agaatttttg 120  
ctcaagtttg ggctgcccc a tgtttgatac tttacataga ggtagcgtgg aaaaagcctt 180  
gcaatagtat gtatacatag gtaaatataa ggagcatgaa attcctagca aagtgtgaat 240  
gattgtcttc ctaaataaat gtatgatagc acggaattcc cttttgaatg caagtgtgtg 300  
cataatgtaa atagcttgtc aatatggata aatgtgaatg aaacaataaa aaaatttgta 360  
tgatatatat ttcaaact atgtaggtag ttgtaaatag aaaatgttca cgatataaa 419

<210> 8689  
<211> 385  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8689

nttccanagt ggtcttcggc attacattta agctcgatcc attgtcgata agtacctttg 60  
cgacaacgtg gtccatacat ctactgaca catgtagagc cttgttgtgt cctctcccct 120  
caacgggaat ctcttcttcc gcaaacgcga tataattgtt ggtgggtata tgattaacga 180  
taccttcaaa accctccact gagatatcat gtgctacatg ggcacgtta aggaccttca 240  
tcaacagcgc acgatgaggc tnggagtta tgagtagttc aagcaaagag atccttgctg 300  
gagttntatt cagttgctcg actaccttaa actcgctttg ttggatgagg cggaggaact 360  
catgggcctc ttccaaagtc actat 385

<210> 8690  
<211> 450  
<212> DNA  
<213> Glycine max

<400> 8690

agcttgtatc tagccgcctt ttcaacctaa attctaaata caaaatcata cttgtttgtt 60  
 tctcttcttt caccaaactt ttcatattgt ttatatttgc aatgctagca aaaatataat 120  
 aatattccac attttttaaa tcaattaatc attttatcat attaaattct ctaatttaat 180  
 taatcatcaa atattaaaat aatttcttta atagagatta gaacacttgt ttgtgtataa 240  
 ccccgtaggt tcaatactaa tcggatgata tattaatcaa attaatatac taatcaaggt 300  
 aggcgtctag caacactcct taacgtccgg atagcatgaa gtaacatttt actttcaaga 360  
 accattagaa gagtagtgta ataatttctt ccatctttac agctttgggt taactctaga 420  
 gtatgatatt actgtcaaac ccttttgagt 450

<210> 8691  
 <211> 356  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8691

cgctttntn tttccgactc tgaagtcata ttttcttta tgtttaaaga tctttgttat 60  
 aggatattnt atttactcgt attttttggt ttgttttcaa ttcttgaaaa aattgtcaat 120  
 aattttattt atttcattat taaataaata ttcttcattt tactagtat tatttttatt 180  
 taatatcttg tatatgtttt ttatatgatt ttatttaata cgttatatat ttttttaata 240  
 ttttttaaaa atattttata taattattta gtcaagttct gtttaataata ttttgtatat 300  
 ctaacactta gataacttgg taatcctggt atcggatcta atgtattcgg aaatga 356

<210> 8692  
 <211> 455  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8692

agctngccct gctaaaggat tgcttgtaac tagcatgcac tggatgcagt gcgcatacata 60  
 tgcttttggt tggctctgtga aatgaaattt tggatgagcc atgttggttc tctggtttag 120  
 gaagtgtcaa atgaaatttg ctagtagttt tctgctcacg tgttggagct tttatgcagg 180  
 ctttggagca atttctgcta gcaatttcct ttgcatctat acaattntca tgacagtaag 240

[illegible]

<210> 8695  
 <211> 409  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8695

tatgcacgga anatgtaatt atgaaattga gatgcccga gattcaccat ttcctagtta 60  
 accatgcatt aggtaccatg ttcaattatt ntgttttttaa gtgaaacggg tttatgatcc 120  
 caacatgggt ggctcgtggt gcctaacaca tgaaactaag aatgtagtgt gaagtttcac 180  
 gcttccccct tttttgtttt tgttttgtag aggaaaacgc aaggatgagc aaacatgana 240  
 acaaatggta tgcaatctgg cagatcaaaa agttttgtga acgcatatgc atgatgatgc 300  
 catgactcat gcaaaatgtg aggctggaat atgataacgg acaaatgcag gaacgatatg 360  
 ttcattatga tgttatgaag agatgcttat gcgatgcatg atatgaatg 409

<210> 8696  
 <211> 455  
 <212> DNA  
 <213> Glycine max

<400> 8696

agcttgtaga ggatgcttca atggaggaaa atattttaagg agagaaagag agaggggggga 60  
 gcacgaaatt gaaggaagaa aaaagggaga gaagttgaac ttttaagttgt gtctcacaag 120  
 actcttattc atcaaagtta caacaagtgt tacacatgct tctatttata gactaggtaa 180  
 cttccttgag aagctttctt gagaaaactt ccttgagaag ctagagctta gctacacaca 240  
 cccctctcat aactaagctc accttcttga gaagcttcct taagaaaatt cctaaagaag 300  
 ctagagctta gctacacata cctctctaag agctaagctc acctccttga gatgagaagc 360  
 tagagcttag ctacacaccc cctataatag ctaagctcac ccccatgaca aaatacatga 420  
 aaatacctaaa aaaatcccta ctacaaagac tactc 455

<210> 8697  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 8697

ntagttgaca gatatgttaa ccaagggact tcccacggag tatcttcaag aaccttattg 60  
caagctgtga atgatagata tgcattcacc agcttgaggg ggagtgttgt gatacattcc 120  
ataattaaca cagattntat tatgtacaga ttctattcca ttgtatttct ttccttaatt 180  
aggttgcttg cagcatataa ataaatcttg tattcacttc tttgt 225

<210> 8698  
<211> 451  
<212> DNA  
<213> Glycine max

<400> 8698

agcttgactt gatataatgc tcatctatct cttgatttca tgatggacat agcagtagtc 60  
tgctttgaca ggttctttgt ctttttttgg cttctgctgc taaaccggtg actgaattgg 120  
atatctctgt ttcggccttt gagtgagcac tcgcgattat tgtgctccgc gctggatgcg 180  
cgctttccta atgtattatt gtcttgcggt tgcacaatga aaatgcatcg cgaactcatt 240  
gattatttga tctcagaatc cactttattt taaagaggag gcttgaagta tgcatttcct 300  
atgataaaag agtaatactg aatagctcgg ttttgagctt tagagggggg gaaaaacatt 360  
agggtggtgga gatccttggt tccaacttgc tgagtatttt gatgactaac acatcactaa 420  
tacctgtgat ccaagcaacc aaaaacctac t 451

<210> 8699  
<211> 449  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8699

tgcgaggctg caagtgtagc atatatgcac aacagcctca ccgtagaaat cccacgtgag 60  
agtgaaaact caacagctat gagaatgttg tctctctacg acaacattgc tagaagacat 120  
gttcccgcca aactgggaca gttctctgcg atgggtggtc ttgatttgtc ggagaacaag 180  
aatagtggac cgctgccaac cgatgccagc aaggggacgta cactctagga cttgggtcgct 240  
cttgataaca tgttttctgg cgagatacca cacagttatg cgaactgcat ggtgctgtcg 300

aagtacaaaag tgatctgcaa ccgatggag ggggccattc ccgctggact catcagggtg 360  
 tgacacgata caatcattga tttagtagc aacaactnta ccggtccggc tcttgagatt 420  
 aacggacatt ctagaaaatt atctgagct 449

<210> 8700  
 <211> 456  
 <212> DNA  
 <213> Glycine max

<400> 8700

agcttacatc taggaaaaca ctggcttaga atgatgtgct tcatgttccc tctatcaaag 60  
 ttaaccttat ttctgtagca ttgtggggag aggttggggg aaagatatcc tttagagtcta 120  
 ataagatagt tatgactaat aataatgtat ttatggggaa gagatattgt gatcagggtg 180  
 tctttgtact caatgtttct gaagtgatta atgagaatgc atcttcttat gcttacttga 240  
 ttgattctta tgatatatgg catgctagat taggacatgt taatccaact tatgttatga 300  
 aattgcaaca atcatgttta attaatatgc atgagaaaca cagtaagaaa tgttaaatat 360  
 ttgttgaatc aaaattaact aagaaatcat gtcttctgt acaacatgaa attgaactgc 420  
 taggcttaat tcattatgat cttgcatatt taaaac 456

<210> 8701  
 <211> 389  
 <212> DNA  
 <213> Glycine max

<400> 8701

gagctctcta atctccaggt tctaagtgcc acacacccta gacactaagc accaatctag 60  
 tgctaagcct aatatgttct agcactaagc cttaagcgag aagaagacaa cttgttcttt 120  
 ggctcttag gaataagcat ggagggctta tgcgttgagt atgggatcat ggaccttgtt 180  
 catgacagt atgaatgaat tagacttagg agtctaattt aacatgcgct ctgaatttgt 240  
 gttttaattg ttataattat aggccctttg ttatttcttc tctaaatttg tgttttaatt 300  
 ggtgaatggt atgtgagtgt ttatgaatgc taagattctt tatgaatgtt atgtttgtag 360  
 tggttgagac tattctcacc cttttcttc 389

<210> 8702

<211> 402  
 <212> DNA  
 <213> Glycine max

<400> 8702

tgcctacaac aatcttttaa tatttatgta ggaataataa atcaaagaag ttactaatga 60  
 caaaaaaatc aaagaagtta aatataaatt taattttgat caagaaatga caaatgaaaa 120  
 ttaatgtgtt ttgaaattg ccaagagctg attgaaaatg taaatttatg cacttcgatt 180  
 caaaggtcaa ggtaaaaaag aaatagaaca ttacatgtaa atttaatgaa aagaataatt 240  
 gaattgtttt ggtaaatg acgagttaga aaggaggaag tgaaattttc aaataacttt 300  
 tttatataaa actattcaag gatgatataa aaactatttt taaaatagtt ttagctgagt 360  
 gtcattaaaa taattgtttt attgaaaaat agtagtagat gt 402

<210> 8703  
 <211> 384  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8703

tgcagacatg ggacatcgta tagtatatat gattcacgat cttgggacag acggttttca 60  
 acaagcacat gcacccttgt atgacaaaat acaaagtcac tcaaagaagt ctgtgtattc 120  
 gaggtgcaca tctttcacat agttgtcagc ggtgttaagt ctggccaact tgaaggcatg 180  
 atttgcatgg agtgacaaga gcttcatcaa attgtttgtg ttattgaana gcatgctttc 240  
 tgaggataac acattgccga ggaatcacta tgaggcatag aagattgtat gttccgtggg 300  
 aatgcagtac cagataatct atgcatgcc taatgattgt agtttgtaca taaatgattn 360  
 tgtagagatg cgtacatgtc ccat 384

<210> 8704  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8704

agctttgact ngagtcacat aaagattata aatatgtgat catggcatgg atntttttaa 60

aaataacaat caagaaatct atctttcaat cttctctctc aacatcattc aactctttca 120  
 acagattttt tctgattcat cttctcttca tctttctaaa agtttttggt caaaactttt 180  
 tctttcaaga aaagttcttt gataaaaaac ttggtctatt aatctttntc attctcttct 240  
 ccctttgcc aagaacaaa ggactaacgg cctgaattct tttgtgtctc tcttctctct 300  
 ttccaagaga attcaaagga cctcgctga gaattctttt gattcttccc tcccccttaa 360  
 aaaaagatc tcaaaggact aaccgcctga gatattcttt gtttcccctt taaaagatt 420  
 caaaagacta accgcctgag aattctttgt 450

<210> 8705  
 <211> 433  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8705

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 acacataagc taaaagggg ctgtccaatc ggggtgcctgg atgatggggg tggtagtcaa 180  
 cgctcttttg aggcaatcaa aagcctcttt gcattctgtc ttaaagtcaa actccacctc 240  
 cttttgcaac aagttggaca gtggaagggc tactatgcta aaatccctta caaagcgctt 300  
 gtagaatcct gcatgaccaa gaaaagatcg cacctctcgc acacaagagg ggtaaggcaa 360  
 ttgtganata acagaaattt ntgcaggatc tacttcaata cccttattgg aataatgtgg 420  
 ctanaactat acc 433

<210> 8706  
 <211> 450  
 <212> DNA  
 <213> Glycine max  
 <400> 8706

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 aaatttccat tccttggatt ataggggtga accaagctca tgcttttaca aaaagggttca 120  
 tcaagtcaag ttgaaatatg gaagtaacca tcttgcaaaa ttgggggcaaa agatgaattg 180  
 agtcacatca ctgcttagtc tactgcaaaa catatttagg attgttgatg tccttgctac 240

ttccagtttc accttgacaa agatgtcatg gaccatgttg aaaatctaaa ttgattcaac 300  
 cccatatacct gcgtaaaaat tcgcaatctt caactgtaca tcattcgcat acatccatgc 360  
 ttttcattgg ctgcattgct cattgcattc tttccttgaa aaataaaaata aaataaaaata 420  
 aaatgaactt aataattggt atcaaaaaaa 450

<210> 8707  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8707

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 tgttgcccac cttcaactga gctcacgtac tcccacgtag ctcataact cgattctctc 180  
 aacaccgggt gcncatcaat cctgccaaagc ttgcccaaca tgcgagtaac tcaacattca 240  
 aacagccaaa at 252

<210> 8708  
 <211> 450  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8708

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 gcaaacaaat ggaggattgc tttggaaagg aaagagaaat gcatagctcg tttacaaggg 120  
 agagaattgc aggtggagag ggtccctatt tgtcacatca atgagagctt tgtgagtga 180  
 gggtagatgt acgaagatca ggttgctatg ttggatgaac agaccgatca agatcagcca 240  
 aattgggtgc aaccatgttt gctagacttt ggattgaaaa attggtagat catagagaaa 300  
 cccaagattt atgtttctga tttgatgtaa ttaagcattt ccaggctcta ttgctatgcc 360  
 taaggcttta ggattcacat attgtcaggc gtacttttct tttcaattcc agtgcatt 420  
 aataaaatgc attntaaaga catatcccct 450

<210> 8709  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8709

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 gttggacctc ccagaagagt atggagtcag caccactttt aacatttcta atttaactcc 120  
 ttttgcaggt ggagctaata ttgaggagga ggaactaaca gatttgaggt caaatcctct 180  
 tcaaggggaa ggggatgatg caatcctccc taggaaggga ccaatcacta gaaccatgag 240  
 caagaggctc caagaagatt gngctagagc tgctgaagaa ggccttangg ttctcatgaa 300  
 ccttagagta gatttctgag cccatggggc aagggtgggt ccaattatct ntgtacatat 360  
 tagactagga tgtcanttat attggctcct gtatttangg ctccatattg tangtagggg 420  
 accctagaaa tatangaatt ttcagccctt gtattttt 458

<210> 8710  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<400> 8710

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 ctagctatct tgaattcttt agttcctaaa tgtacatcct tcaaattggt gctcggtccc 120  
 ctctttgaga atgaggagga tcttcatagg acttcataca gctgatgttt gtcggcaatt 180  
 tcatcatcca ccaccctttt cttctgtgcc ttctcacgtt cattattggt aaaccatat 240  
 ttatgccttc ttcccttcat g 261

<210> 8711  
 <211> 475  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8711

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ctagaaac

368

<210> 8714  
<211> 448  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8714

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ttttttctta tttttttcca tatttgagtt agcttctgac ataggcattt gtggcctaac 120  
atgctcttta taaatgtgtg tgctataatg acatttaatt aatagaggat aattcaatta 180  
agtattacta tgccttggtta tttcttagct gtgttttagtt tcaacaattg atactatcca 240  
atggcctttca cgggcttcag attttttaaa aaaagtgtgt ttgagctgag atggaattga 300  
gttataatag taataactta tatgatctta tctgaagttt aaacctagac ttttcagaga 360  
cataagggtca tgtctttttt ttttcaaatt gtttaaaaga gtcactgcac tcgttgatgg 420  
aacaaacgca gtcttagttn tacattct 448

<210> 8715  
<211> 325  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8715

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cacaccgttt catctctcta agcgcaccgc ttcagctcat ccgctattcg agaaacgctc 120  
actaagccga aaatcactaa cgtgcgctaa gcagttcgca cgtgcgctaa gcgcacgac 180  
atgaacacgg ccacctatct cagcctgtaa tcaaaatttg tgacgggagt ttggactggg 240  
attcacaggt ttgcatagtt gtggtttcta gagagagaca agtccaactt ccacacagtt 300  
ttgagagatt tactgcgtga agatc 325

<210> 8716  
<211> 452  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8716

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tcaaattttt accatttttg taataaattt tagactttga ataaaaagaa aaaaaagtgt 120  
gttttagcaat tttggtgaaa taatttaatt taatataaat taatgtgcta atgatcaaac 180  
tagaatgtta ctaacatgtg attacttcac ggtatttcag taagctgtag aagccttata 240  
aaaggcgtgc attcaacatt aggtaaaatt ataacatttc aatcaacaat ataaaatata 300  
gtaatccaac atcttaagga agtttaacta taattcttaa tgaccagtca ttattaattt 360  
catcatatac ttgactatct attcccaatc acaagctaatt gttacattgt ctatttcata 420  
acatagtcta agtttttagtt gaattaacta ct 452

<210> 8717  
<211> 505  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8717

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acaattggaa tagaaatcag catttgcaac tagcacctac tgggcagata ataaacttca 120  
aacaaattat acatttgaca tactataaaa cttgtactca caaaaagatt aaacagatgg 180  
gattgtcttt gtgtgtgtgt gtgcgcgcac tgtgcatggt tttatggngg tgggtggaaca 240  
tgaaagatgt attgtacaca tacattgtaa gtttactgtc ctagcattgt atcttttttt 300  
aaaggaaatc ttattaagtc tcgtggaaga atctaacaat gtgagccttt cccaaaaaag 360  
tatatgaaac cacacacaaa cacaggatga ttccaggaca aacatgtaaa cttcaccttc 420  
cagaaaactg gttagtaaac caggcatcgt gggttcccaa tataactgct ntagcanatt 480  
caagaatcac aacactctta atgac 505

<210> 8718  
<211> 431  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 8718

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ggtgattttc caccatggag atgcagcgga agacaaagga gaagaggtaa gaggcggcac 120  
catccactag ggaataagcc ttggaagaag gagcttcacc accaagatga gccttggata 180  
agaagctcgg agaggatgct tcaatggagg aaaagaaaga gagagggggg agcacgaaat 240  
tgaaggaaga aaaagggaga gaagttgaac tttgagttgt gtctcataag actctcattc 300  
atcaaagtta caacaagtgt tacacatgct tctatttata gactaggtag cttccttgag 360  
aagcttctnt gagaaaactt ccttgagaag ctagagctta gctacacaca cccatctaaa 420  
aactaagctc a 431

<210> 8719

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8719

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ttcatcaagc tcatttagtt gattntatcc tggaaaccac ttcactgggt gatgtacaag 120  
acacctttgt ttgtaggagg tcaaggcatt actagacgaa aaggtatcca gtggacgata 180  
aattcttctt aaggattttc aagacttaga agaaagggtg aaatccttaa ccatgactct 240  
tgaaaattca gaagtagaac acaaggaacc ccacagacaa atctagtcac ggtttcaaag 300  
gcaaaaaggt tgtgcatggt gaagaagtta ctatttggtta tttctatgga aaggtgggtc 360  
atgagactca taaatgcaag gacttctcta aaagggaac ccatcaaagg gttcgttcaa 420  
tgcttaccaa cacccatg 438

<210> 8720

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8720

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cagacaggta tataagtttc acaaacaact tacattttca tatattggaa tttatgaaaa 120  
gtctgttaat tggataaatc ttaacgctag gaaaaataaa gatttatgat aaggaataaa 180  
agtgtgctga aaaaggcagg gaaaataagc aacatggctc atatacttca tattctgttt 240  
atccaccggg cgcctttggc ctcaagaagt gtggcaattc ctttcttttc ctttcatgca 300  
ttgcggacta ctcacagttt aagccaacaa tatcaaacta atatacacat ctttctctag 360  
taattcaatt tatttatcat tttatacccc tcttccgac cttcccatat taagatgcag 420  
catattataa acacaagatc tttagatgaa ttgtgcatat tt 462

<210> 8721  
<211> 462  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8721

aggctgttgt caccttctcg ctaagccaat ctgttgtctt agcgagcatc tgctaagcgc 60  
aacactcttg ggctgagcac gaggaagaat ccagaagaag atgagttgta catgttcgct 120  
aagcacaccg cttcatctct ctaagcgcac cgcttcagtt catccgctaa gcgagaaagg 180  
cacgctaagc caaaaatcac taacgtgcgc taagcagtcg gtacgtgcgc taagcgcacg 240  
agcatgaaca aggccaccta ttttaagcctg aaatcagatt gtgtgagggg agtttggact 300  
gtgattcaga ggtttgcatg attggagttt ctagagagag aaaggtccaa gttccagaga 360  
gttctgagag attntactgt gtgaagatct gcagagacca gagcttgaag cacgagccgg 420  
cttgagagtc tgagatgaga tagtgagtga ttgtgagatc ct 462

<210> 8722  
<211> 485  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8722

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tagggcataa tttgacctca aaacactcaa attctaaacg aatagcacia aacatgtgat 120  
cacatcatgg ggaacaaaac tctcaatca atttcaagaa aacatgcaag aataaaaaat 180

ccccaaattt ctaggtttct aacattcaaa gccaaacact caattaaacc atccaattca 240  
catcagggca ttaattgaaa tgtcaaacat gagaaattcg ttgttatcat tgtacagaca 300  
taattaaaat gcatagaaca ccccaaaatt aaccccaatt tgatcctcta aggatcccta 360  
cacatgttca ctctaacccc aattgogata aactcatccc ttacctctat gagggcacat 420  
gtgtgtagtc cagcaactat agcggcatct ctagtgggta cctacgataa actcatccat 480  
taagt 485

<210> 8723  
<211> 487  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8723

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ttattcccta gtggatggcg cctcctctca cctcttctcc ttgtcttcc gctgcatctc 120  
catggtggaa agtcaccatt aaaggacctc attgaagctc aaagatccag cctccataga 180  
agccccacaa gcaagtttcc atcaacctta cgaaaagaaa acaagtatcg ctatgaaatt 240  
cgtaaagtta cgaaaaaaga atcaccaaaa aaagaaaaag ggggtgtatt tataaaaaaa 300  
agggtgtaaa tagtaaccag gcccaattgg gccttccaga ttcttctctc aaaaggttgt 360  
tgcttctaga ggaagcaacc tggctcgctt gngcgagctg ggtggcaagc tcttccacta 420  
ttctgctcta catagggaga ggagtgaaga acgaagggtt tcagccttct tggcacttcg 480  
tattcac 487

<210> 8724  
<211> 464  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8724

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acagatacct ccattttatc atcaacaatg ggcacccaat taccatacag aagttcgggt 120  
caaatacaat ggagcaacct acccaatacg ggtccaacaa caccgaggaa gatatttttt 180

tgcagatgga ctctcagaag ttaggacaga tttaaaaatt tacgagtcta ttatcatcaa 240  
 cttctatgcc tgcgataata ataccatctt tgatctacat tttacacctc cctgaacca 300  
 acaaacatgt ggtagaccaa aacttcattg ccgtatacat gcctggagaa ctgaaattac 360  
 ccaatgtata ctgggtgctc cccaaccact ggtaatatatac aatcacatta acttgcatta 420  
 ttatgagaat tccaataata ttattaatct ctgtaaata tccc 464

<210> 8725  
 <211> 491  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8725

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 tcttaagaag ggggggttga attaagatat tccaaactac ttccccaatt aaaaatctat 120  
 ttcactcttt actcaagtta tgaattccct taatgacaat cttcttaaatt attgattcaa 180  
 ataaaacaat ttgaatatga atataaagca ataataaata aaggagatta agggaagaga 240  
 aagtgcacaaac tcagatntat actgggttcgg ccacaccctt gtgcctacgt ccagtcccca 300  
 agcaacccgc ttgagagttc cactatcttg taaattcctt ttacaagttc taaacacaca 360  
 aggacaatcc ttcctttgtg tttagaattc ctttacaaca agagactcac agtctcttaa 420  
 tccgttagag aatgaggaga agaagaagaa taaatctctc tagaaagaga tggatttaca 480  
 gaatgagact c 491

<210> 8726  
 <211> 494  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8726

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 gagctactgg gatttaccct tgggaacaac ttagactttg atcaaagaaa agagcggcca 180  
 cccattggga acagtaataa catacccggtg tatgacaaca aacgtacaac gaggatactt 240

acggaattca cgaagctgta gaagccctaa caaaggcggg cattcaacac taggctcaat 300  
 tatcacattt cgatcaacaa tatcaaatat agccatccca catcttacgg aagcttaact 360  
 ataattctta aagaccagcc attactaagt tcatcatata cttgactatc tatngccaag 420  
 cacaagctaa tgttacatcg cctatgtcat aacatacgct aagttctcag cgaactaact 480  
 actaagtctc cacg 494

<210> 8727  
 <211> 385  
 <212> DNA  
 <213> Glycine max

<400> 8727

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 gacacctttg tttgtatgag gtcaaggcat tactagacga aaaggtatcc agtggacgat 120  
 aaattcttct taaggatttt caagacttag aagacatgtt gaaatcctta accatgactc 180  
 ttgaaaattc agaagtagaa cacaaggaac ctacacagaca aatctagtca tggtttcaaa 240  
 ggcaaaaagg ttgtgcatgg tgaagaagtt actattagtt atttctatgg aaaggtgggt 300  
 catgagactc ataaatgcaa ggacttctct acaagggcaa cccatcaaag ggttcgttca 360  
 atgcttacca acacccatga gctaa 385

<210> 8728  
 <211> 452  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8728

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 tcctataatt gactgaggaa acgctttgaa attctgcaaa actaaggaat gggaaatcaa 120  
 tgcaatggga aagacaaaac gccaaacttta cagcttatcc tcagtgtagt tgccttcaag 180  
 ctcaagctgt atcaciaaata tntatctcna aatcattcaa gattatgagc gcggacaaat 240  
 caaacacgta aacacacttt aacaaaccaa atgcttgctt tgctaaaaga tcaaaaagac 300  
 tcgatactag tatttaataa tgtttgcctt tactagcata tatacatagt aggagtaatt 360  
 gattaaagaa gtacgcataa aataataata taccgtaaga taaatccatc acaattcact 420

gttctttcca accggttaga ttattatgtc tt

452

<210> 8729  
<211> 395  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8729

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caacgagaac gataccgaga accttcggtg cgatggaggt ggaggttcca gttatcttcc 120  
gatggataac gacgcgataa ggtcgttttt cccacaacg acgtcgtcgt tggttcactt 180  
ccagagctac ccaccggatt tgctttccag aaccagtagc caggacctgc gtctctcgtc 240  
tcagtctttg caagaccggg ttntgcttca ccagaatcac cacaacaacg agcacgtgct 300  
ttntgctgga accggggttg aaaacatggt agcgtggaat agtagtagta ataataataa 360  
taatactgct tctaactgat acttgtggcg ggggtg 395

<210> 8730  
<211> 395  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8730

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ccataggtga acgcctgatt ttcttgtttt gagaaaaaaa aaaaaaggat gcacaggggt 120  
tgcttgctg ggcaagcacc ccttgacga aaagggttaa aaggagaggg aagggggttag 180  
ttttcaccc aaaacttctt catctcatcc aaaaaacgta agctcactgg atccctcgga 240  
ttccagcct taggtcacca ttctctgca ttttttgatt ccattctgtg ctgttattca 300  
tccccaaaa gagatggctc tgaagaagct ctccacaaag aggtccagga gggatgccca 360  
tggggaaagc ttcaatgcct ttgtggagtt cgaca 395

<210> 8731  
<211> 480  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
 <400> 8731

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 tgaccagngc catatctatg caatcatcag gttgcctagt caaggcttta tgccaccgcc 120  
 tcctctcgag ctcatccgg aactcatcat actatgtcat atacaaatcc acattcctct 180  
 cagggaggat attcctggaa tgtacattct gtcgtacct atctgaagcg acctcgga 240  
 caagtctagt cgtatcatag ggttcttgag gtcgggatgt ggatgatttc ctctgtttgg 300  
 aggccatctg catcaaaaga atcacaggan agaaagttag acaggttnta ttcaagactg 360  
 anagcagana aataaaacag gataaaggat tgggcgctta gcgagacaga ctgccttagc 420  
 gcaccttaag aaaataacag catatgctta gcgcgcangg cgcgcttaac gcgtcaacat 480

<210> 8732  
 <211> 608  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8732

ccacacgctg ccgtatctgt cgtaactntc nctctnctac atnangtttt tanngctntc 60  
 ctattttctc tttttcctag tcnatcgacg ncacattgag acttgagtg tctncattcg 120  
 agatcctaga aagngacctg cagcatgcaa gcttgcatnt acaacaatat atcttataaa 180  
 taatctattt aatgaatcca aaggccaga acatataacc ccaaagataa ctttatcaca 240  
 gaggcacaaa ttcctatgat atgtccgct actcattaaa attacactac tgcttagctt 300  
 taccaagctc cgctcttaaa cttattttta gttttctagg cggcccataa gccagttttt 360  
 catgaatctt atatgttacc ctacatttta caccctaaaa actcactttt aaagtcaa 420  
 ttttaataca aacaatccac aaatccataa cagttagtgc aatattctga cagatgtatt 480  
 ccttagactt aattcattca taacgtttgc tagaaaaaac tataagttgt aacacccaaa 540  
 aaaatcactt ttaattgtac aatctcaaga agaacaacat atcaaacagt tccaacccat 600  
 gtagcacg 608

<210> 8733  
 <211> 297

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8733  
  
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 gatttatattg gtccctctag aactatgagt ttaagtggaa attactatgt ctcggttaatt 120  
 gtggatgatt actcaagggt tacttggacc ttgtttataa aaactaaaaa tcaagctttt 180  
 gatgttggtc gcaaacttgc caaggtgatc caaaataaaa aaaaagggtct ttacgggtgtt 240  
 tcatctagaa gtgatcatgg agatgaattt accaatgagt cttttgacaa cttctat 297

<210> 8734  
 <211> 455  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8734  
  
 agcttaaggc ctgtttccat attcaaatca aatcagtgtt tcgaaagttg ctttttttat 60  
 caagtccatg caaaaacata tgaattcatt tgggttttgg gaaagtcctt cattgttttt 120  
 cattctcaat gttttcaaaa caattctttt gttgtgttct gattgaaaaa taagtttcaa 180  
 aaatactggt tggtgattct tttcaaagca tggttatattc aagaaaaaaa aatttgctta 240  
 agtcccaaaa agagttataa tctataacta tactaataga atatcaaagc acacgtaagt 300  
 tttttaaaaa attcaaaaca ataaataacg taataaagta ctgaaattta atgcaaagcg 360  
 ataaataaac ataaagacaa cttcacgaat tttcaaagat catnggtgag gagctcaatc 420  
 tccttgatga tcatggttga ggagctcagt ctctt 455

<210> 8735  
 <211> 308  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8735  
  
 agatgaggaa gtgtggaagg gtgaacttcc tgctcttatt cggtgaccac agagtgggtac 60  
 ctggagatat gtcgcggagg tcaggagacc ttggggatgt cangtgggggt gctattgccc 120

aaaaccaagc ttgaccaatc ccgacccaac cggggcatag ttggtcagtg agaacctgtg 180  
 atgtacctaa acaggcgagc tcctggaagt caacagataa aaggaacaga gaccaccaca 240  
 gcagaaggct tgtgggtggct ggccagctat gaacttgatn gatgtgtgag atatggcctc 300  
 tggtaatc 308

<210> 8736  
 <211> 368  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8736

agcttgaaat gaggaagtgt ataagggtga aacttcctgc tnttattcgt tgaccacaga 60  
 gtggtacctg gagatatgtc gcgggtatag tcagtcagtg agaacctgtg atgtacctaa 120  
 gcaggcgagc tcctggcagt ctacagataa atggaacaaa gatcaciaag caaggaggct 180  
 tgtgtggttg ctggccagtt gtgaaacttg attgatatat gggatgtggc ctctggtaat 240  
 cgattaccaa ggggtggtaa tcgattacat ggcttacaaa gtgaagacag gaagctaaga 300  
 tggcctctgg taatcgatta ccaaggggtg taatcgatta tcaggcttga aaatgggatt 360  
 aagaagct 368

<210> 8737  
 <211> 481  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8737

gacactataa aactcaagct gaaggatgct tcaatggagg aaaagaaaga gggagataat 60  
 gatagaggng ggagcacgaa attgaaggaa taaaagaggg agagaagtgg aactttgaag 120  
 tatgtctcac aatattctca ttcacaaaag ttacaacaag tgttacacat gcttttattt 180  
 atagactagg tagcttcctt gagaagcttt cttgagaaaa cttccttgag aaacttcctt 240  
 gagaaagctt tcttgagaag ctagagctta gctgcacaca cccctctaata aactaagctc 300  
 acctccttga gaagcttcct tgagaagatt cctaaagaag ctagagctta gctacacaca 360  
 nccctataa tagctaagct caccncatg ccaaaatata tganaatata taaaaaaaaa 420

gtccctaata canagactac tctaaatgcc ctgaaataca aggctaatac cctatactac 480  
t 481

<210> 8738  
<211> 449  
<212> DNA  
<213> Glycine max

<400> 8738

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catggagatc agcgggaagat aaaggagaag aggtgagggg aggcgccatc tactagggaa 120  
taagccatgg aagaaggagc ttcgccacca agagagtgcc ttggataaaa agcttggagt 180  
gggtgcttca atggaggaaa agaaagagag agagagaaaag agagaggggg gagcacgaaa 240  
ttgaaggaag aaaagaggga gagaagttga actttgaagt ttgtctcaca atacgtcat 300  
tcatgaaagt tacaacaagt gttacacatg cttctattta tagactaggt agcttccttg 360  
agaagctctc ttgagaaaat ttccttgaga aacttctttg agaaaaattc cttgagaaga 420  
tagagcttag ctacacacac ctctctaata 449

<210> 8739  
<211> 507  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8739

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cacagagaag ggagctatta gcgatagttt tgctcttgag aaatttcgtt catatttact 120  
tggtacttgt gttattgttt atattgacca tgcagctctg aagtacctgt tgaagaaggc 180  
tgaatcaaag cctagattga tcagatggat gctttggctc caagagtttg atttggaat 240  
ctgtgatcga agtggtgcac ataacctcgt ggctgaccac ctgagtagga ttgagcatgc 300  
gtttgaggac tcaccattc gggatgtttt tctgaatgac catttgtaca ttntgtatat 360  
tatttctaata tccttcccca ctccttggtt tgctaataatt gtgaattaat tggttgcttc 420  
tattttgcct tccttagtat ctaaagctca caatgatana attaagagtg atgctaagca 480  
ttataattgg gatgaccccc tattgtg 507

<210> 8740  
 <211> 461  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8740

agctntacaa aagttacgaa aaaaaggtac tcttacagtg ttttctttat aatttgtttt 60  
 ttattttctt tatctcatca ttcattttta tgatttttct attttttgaa tctctccttc 120  
 caagttatat tatttggtgt ataaaagctt tatatcagta tatatagtta taaacctttg 180  
 gagatataag gtgagttcaa ttattaaggg aggagggaac ggagaaaaat ctcattattg 240  
 accaatttta acaaaaacta ataatactga taattaacat ttgtcataaa aaaaactttt 300  
 gggattcatt cgagaaagtg aaaagaaatg aaataaaagt gaatttagat aaaagttttg 360  
 aattaaaata gagagtaaaa gtgtgagtct caccattgtt aggtctagat gaccactcat 420  
 cttatccacc ttgacttttg atgtataaca ataaatataa a 461

<210> 8741  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8741

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 caggccagag ttgagtatgt gaaaatattn tatgaccaag tgaagggtgca aattgcaaag 120  
 aagaatgaaa gctataccaa gcaagacaac aagaaaagga aggaagtggg acttgaaccc 180  
 agtgatgac ctggacattt gagggcaa atgtttccaag aaggagggaa tgatgagaat 240  
 cctgaaactg gcaaaataca ggctaaaggc ccaagtggag aaggacgaag gcctaagtgg 300  
 agaaggacaa agccncgag tggagaagga tgaatgccca gaggcagaga cattatcaag 360  
 actattaatt gttgctgaag gcccatatta atttgaaggc ccataataaa tatgttctaa 420  
 ttttaattaa taatttta 438

<210> 8742  
 <211> 463

[illegible]

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<210>      8743
<211>      324
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8743
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<210>	8744
<211>	456
<212>	DNA
<213>	Glycine max

3718

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 acagtggaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac tatagaaaaa 240  
 cctagagata gatggtctga agaggataga aaacgagtac aatacaactt aaaagccaaa 300  
 aatataataa catctgccct gggaatggat gaatatttca cggtttcaaa tcgtaagagt 360  
 gctaaggaaa tgtgggacac tcttcgatta acacatgaag gaactacgga tgttaaaaga 420  
 tctatgataa atgcactaac tcatgagtat gaatta 456

<210> 8745  
 <211> 497  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8745

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 tacctggaga tatgtcgcg nggtcaggag accttgggga cgtcagggtg ggtgctattg 120  
 cccaaaacca agcttgacca atcccgaccc aaccgagca tagtcggtca gtgagaacct 180  
 gtgatgtacc taaacaggcg agctcttgga agtcaacaga taaaaggaac aaagaccaca 240  
 aagcaaggag gcttgtggtg gctggccagc tgtgaaactt gattgatatg tgagatatgg 300  
 tctctggtaa tcgattacca aggggtgggta atcgattaca aggcctaaaa atgaagacag 360  
 gaggctaaga tggctctctgg taatcgatta ccaaaggggtg taatcgatta ccaggtttga 420  
 aaacgaggtc aggaagccat gaaggcttct ggtaatcgat tactgatcga ggccgtaccc 480  
 gaatcanata aacatta 497

<210> 8746  
 <211> 462  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8746

agctngcatc cncattnttc tttattcctt caagctataa aaataaaagt attattaata 60  
 ccatcaaatt aaaccaatat atagttaatt aaaatgatca cattaattat atgtcacgcc 120  
 atgttcccaa caatactgcc tgataattaa aactaaaata aatacaaaac tcatgctttt 180

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<223>      unsure at all n locations
<400>      8747
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<210>	8748
<211>	397
<212>	DNA
<213>	Glycine max

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atgcaagaat	atatgggatc	tttccggtct	tagaaaagag	atggaatatt	tccaatgaaa	120
gaggaaaaaa	gaaaagaaag	gaaattccca	atcgaagagt	gggagaaaga	aaaagaaaag	180
agggagaatt	cccttcccaa	gaatgggaga	aagtaaaaag	ggaaggaagc	tcttgggtcaa	240
agaaccaga	gaggtctttg	gaccagataa	tatctgaaca	gtacagaatt	gtcaccaaat	300
gaacaaaaag	gaaggaaagg	aaaccacgac	ctagaatggg	cttctccctt	taattaccaa	360

ccaaaatccc gtgcgctagc gacccttttt tctcgcc

397

<210> 8749  
<211> 420  
<212> DNA  
<213> Glycine max

<400> 8749

atgcacggag aatgtaatta tgaagatgag atgcccgaag atataccatt ttctagttca 60  
ccatgcatta tgtaccatgt tcaattatgt tgttttgctg ttgtgagttc ttgttagaaa 120  
tggttttatg atcccaacat gggtggctca tggcgcctaa cacatgcaac taagaatgta 180  
atgtgaagat tcacgcattc ctttttttgt tttgttgtgt agaggaaaac gcaacgatga 240  
gctcacatga gaacagatgg tatgcaatgt tgcagatcaa caagtttgat gaacgcatat 300  
gcatgatgat gccatgactc atgcagaatg tgaggctgtt atatgataac agacaaatgc 360  
aggaacgata tggttcattat gatgccatga atagatgtgt atgcatgca tgatatgaat 420

<210> 8750  
<211> 344  
<212> DNA  
<213> Glycine max

<400> 8750

taatccctaa tctctcttcc ctctggcat catcaaaagg ccaaagtga taagacatac 60  
atgactttct tcttaaaata tcagtcgcat aacatccatc gataattaat tataaaagat 120  
tctaattctag acatcaaaag agacatgaat aagccatgga agaagttaaa ccacataatc 180  
tataaatggt cactcactact acgcaaatat tacaagaaat actaaatggt caaatgtcat 240  
aataacatat ccaaatacac tgcttgagat cagagtaaag taataaaaat atatatcatt 300  
tagagaagtc actagcatct agcagtccta attctcttct aata 344

<210> 8751  
<211> 253  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8751

[illegible]

<400>	8752
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<210>	8753
<211>	459
<212>	DNA
<213>	Glycine max

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ataaaacgcc	gtttacttta	taaatatagc	gtcttgggtct	tggatgtgat	gtcatattga	120
gtgctcattg	cttcctaatt	ttcttttgag	ctagttcctt	ttcaaagttg	aacctacaca	180
tgacgggagt	acatagaata	ataataaaaat	gttagttaag	ctaataataa	aattcttctt	240
tatttagtttc	ttaattgaat	aaaaataaaa	taatagatat	aataaataat	ttgataaaaa	300
gagaaaaaaa	taaataaagg	aacaaaaggc	aaacaaactg	ttgaatcgat	atggaaaccc	360

ttagaagcag cttagcctat aaatagaagt tagtgaatng aattggttgc atncatantg 420  
 caaattgaag ttaaaggatg aatatctata ataacattc 459

<210> 8754  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8754

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 cagccacctg tatgtgtatt tgtagcagaa atgaatcggg taagaaacag aacttaatca 180  
 aaattatitt gatcagcacc tgtttattag ttatgctttt gagtgtagca ttcattattga 240  
 tatttgtttt tcggaatgat gattgatgta agtggttcatt cagttatttc tttgattcct 300  
 gctttcattc tggaccgtgt tgctcatcat cacagggtcca aatgcttgat accaatgaat 360  
 attgttatta cgtgttcact gtcattaatg acaattgata tatgctatac aaattggggt 420  
 catgatgagt gaaccttata ttc 443

<210> 8755  
 <211> 413  
 <212> DNA  
 <213> Glycine max  
 <400> 8755

gttgcgattc attctatgta cccgtagtgg tccacattgt gtttcgtgca tatttattct 60  
 cgttgtgggt actttgtata cccctgttg acgtgcttaa gccattttac ttaagtcatt 120  
 tctcgcttaa cttaaaaata aaataaattt ccaccgaacg ttcgaattgt attatgcatt 180  
 aacttcgggt aaaataaatt acgactgttc ggtcgtgccg taaccacggt ggaaatcaaa 240  
 aagaggtaaa aaataatata ataataaaaa aaaacatctt tttagtgaat taaagcggaa 300  
 aatcaatcgg acgttgtctc tttgggattt ctcatctta atcgaattga ttaataacta 360  
 aagtgaact aatgctaaga tcaactcacc tagtcaagct cgtccacaaa aat 413

<210> 8756

<211> 451  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8756

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 tactctttga atatctcgag aatgaacaat ggaacatctc gagtaattca aatggtcata 120  
 acatttcaat cgaatctccg attctagcac gtaatatatt gagacacttg aaatcgaaca 180  
 tgaaagctct cggcaaattc aaatggccat aacttttgac tatatgattg aggcccatga 240  
 tatttccaga cgctcaaaat tgaacaacgg aagctcttga gaaattcaaa tggtcataac 300  
 ttttcacttg gatgtccgat tcaagcgcat aatatatcga gacgcttgaa attgaacaca 360  
 aaagctctga ccaaattcaa acgaccataa ctnttcacat ggataatcga ttgatgccca 420  
 tgatatatcg agacgctcga caatgaacaa c 451

<210> 8757  
 <211> 437  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8757

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 nttgttgtgt gaagatccgc agagaccaga gctggaagag gaagccatcc tgagagcttg 120  
 agatgagttt gtgagtgatt gtgtggtcct agaggtggaa gagacatccc cactacttgt 180  
 atgtctgcaa tctttcatte tcttctcttt gttgtaaagg aagctttcca gttatggaaa 240  
 gttaaatect ctgttggatc ttccttgtaa gtacttgatg taaatatctt tctatctatt 300  
 taatgatgtt ctgtgtgttt actatgctat cagaacttca ttctaccatg cttctgcctt 360  
 gatcacgtag atgcatgtgt tgtaggatac attcaacagc ggaaattggt ttgaatctta 420  
 taacttgata ggacatg 437

<210> 8758  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 8758

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 ttcataaacc caaacatata agttctccca aatgtaccct cagtatcttc ctccacaacc 120  
 ttctagagct aaataaaata acaattacc taaacctaata tatagaatta gagggaaaat 180  
 actccttaag atgctataaa aataggctgt aaactgaaca cactgactgg ttttaaaatc 240  
 aaagctacaa agataatct tccagcaaga tgcaacacaa atatccttat gacattaaaa 300  
 tgatagctgt ctgcaatcac cttaaagaag tctcttcatt ntgaagatca taagaatgat 360  
 tacattgtga ttccttctct ttagaatgta aaggctcttg tgataggcca gacaaatgac 420  
 aatagctgtt catacctg 438

<210> 8759  
 <211> 436  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 8759

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 cttgaattct agatgagtgc ttaaattgcat gggcataaag atatcattct atgtctagca 120  
 atgattatct tatattatct tttcttntg ttctattaga agttaccctt tgtcgagcgt 180  
 gtaacccta aaactaatgc atgcacacct tctttaaate ttatttagaa gttaccctcc 240  
 gtcgagcacc taactcctaa aagaatgtaa agataaatgc atgggagata aatataaaaag 300  
 acaatcggat agaaaaacac atgttgttgc attgataaat aatgaagagt acatcataca 360  
 tcgctntggc tttagcctg ccagacccta actaggngtt taacctctca tggccattga 420  
 nggctntaca ctggat 436

<210> 8760  
 <211> 421  
 <212> DNA  
 <213> Glycine max

<400> 8760

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aaaatgacat ttatcactgc ggatgccaac ttttgctata gggatcatgcc tttcggccta 120  
 aaaaacatag gcacaacata ccaacgactg atggatcgag ttttcaaaca acagatcaga 180  
 ctaaacattg aggtatatat ggacgacatg gttggcaagt ctacacagcat accccaacat 240  
 gtggtagacc tagaagaagt cttcagggaa ctccgcaa atgacatgca cctcaaccct 300  
 aaaaaatgta ctttcggggg tggcggaggc aagttcctca acttcatgat cacacaccga 360  
 gggattgaag ccaaacctga caaatgcact gtcatactgg agatgcgcaa cccagccaac 420  
 a 421

<210> 8761  
 <211> 379  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8761

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 aatgttttca tctatcta atgtgacgttg ttaatagata agataccaat gtctaagaat 120  
 ctaaacaaaa tgtaagtttc tttctgcttc ttctctctcc tactcttagt tccttcatgg 180  
 actaatatga gtctcatcaa taatgagata actctcattc aaccaatctt ctttctcttt 240  
 ctctacatc tatcacacaa ttctntaata aatatacaaa ctcccatgtg attttttagt 300  
 tctaaagagg tagaagaaca ggatggngat tgggagaaat gagatataaa tattatgatg 360  
 gttgttaciaa gcttatatt 379

<210> 8762  
 <211> 443  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8762

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 anagaagttt cttcagactg ttggcaagag atggaagcag tttaaatacag acctcaagag 120  
 gaaatgggcc cttgcagtcg atcgggatgg tgtggacgac actatctgtg agaaatatgg 180  
 cataagcaag gaaaaatggg ctcatgtttg ccagactcgc agagaccctt cttgggaagt 240

atgttccttg ccatttaagt tgtttttcaa aaaacattaa cttgttatac ttcattctag 300  
 caatttgaaa gattattggt ttatttttgc aggatgtgtg caaaaaggca caggccatcc 360  
 agaaacagaa cactgcccct cacgttntgt cttgtggngg ttatgaatat ttggagcaga 420  
 agttcctggt tgagaagacc atg 443

<210> 8763  
 <211> 459  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8763

tcactatngg cataagaatt acacattaat aagaccactt ggaatgatgg acccatctat 60  
 aaatgataaa caaanaaatg acatgactca ggatgtggga ttacatcctt taatatacaa 120  
 ccatgcaaat ttctatttgg cctttggcag cagctagctg tttcattagg ttaagcactt 180  
 ctaatacttt tgaagccaac tgatctttat acttcttatt cgttaacact gattcatcaa 240  
 ttgcttcctt gtatctacaa cggaaagaat ccagctttgc ttgtgttcca cggagtctca 300  
 ttctgagctt agccatctct ttgttgtttt ttaggccacc ctgtcaaaat taaggtaaaa 360  
 acagtttact atgatgactc caagttgagc acagaactca gcatgaggtg gaccaataac 420  
 tggttaagcca aacacgtaca atctgaataa cagacatgc 459

<210> 8764  
 <211> 432  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8764

agcttatgat aaacttgaga aggtttgaac ctcatattag ttgtggatga tcttcatatt 60  
 ctattgtaga aagcaattta tttttggcct catgtctgtt cagtatcttt gaaattttcc 120  
 tgttagcata attactttaa ttttctcatt agtaaagat agatttataa gccaaagatta 180  
 tcattttcaa tatagaatag ataattnttc tttattgttc tcatggcaat tcttacacta 240  
 ttaaaaaata tactttcaac atcaatttta aaaccgatgt tgaaagtacc aatgttaaat 300  
 gtaatattgt taacatcggt ttgaaaaac cgatgttaac ataaaaattc taacatcggt 360

tttcaaaata aacgatgtta tatacaaaga actacaacaa aataagtga tgcataatga 420  
atattgacat cg 432

<210> 8765  
<211> 388  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8765

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ttgccattta tttaatgtat gtacaacaca ggacagagac cctgaataat tntgggtggtt 120  
ccttactcct tagttttatt agttagttnt attgctaatt gtctctctgc tttggttntg 180  
gctgtatctt cttttcttgg ttgatacctt attcagatcc cattaacact tcactttctc 240  
tcgtggaaaa antatttggc aaacaaaaaa acatttataa aaaagtatga actatgtaga 300  
ttagcatctt tccaatttca catctcatgt taaaaaattc agcttttttc tcagtcttga 360  
ctttcgaaag tgtacctttc caatatgt 388

<210> 8766  
<211> 115  
<212> DNA  
<213> Glycine max  
  
<400> 8766

agcgttggtt attctcttgt gctacaaaca tattttgccg ttttggcggc aataactggc 60  
cactgagcga ggatgtcatc acggtcctat cacaggcgac gtacgagctc ggcgt 115

<210> 8767  
<211> 216  
<212> DNA  
<213> Glycine max  
  
<400> 8767

gagggagagg atacgcatct gtgcggatat tacaccggat aagtgcactc tcagtcaatg 60  
tgcttgatgc ccatctggag cgatctcgtc cccgctgcac cgtgggcgac actagattct 120  
gctttggatc tctgcagcac cgattgaggt actctctgtg tccatgtaat tttctaacgc 180  
cacaatttat atacgtatcg tcaccaaggt cggtgt 216

<210> 8768  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8768

agcttattgt aatggattac acaatntaga taatacaatg attgatattt aaagagtctc 60  
 tgctttaatc gattatcaag agatatatcg attacttctc tcttaaataa tgtttcagaa 120  
 gtgatcaaga acactttaat cgattacatt gttcttgaaa gttttccagt ttttgggaga 180  
 aacactttaa tctattgaaa tgataattaa tcgattactt ctttgaaata atcgattaca 240  
 ttntatattt aataaattac aggagtttat aaccgttttc tctataaatt gtcccccttgc 300  
 gttcttactt ctaacaactt ttgaatgagc tagaattatg agctcatatt agtaaaacaa 360  
 agaacgaaag aaaaagtgc ttgatacagt gtgcctcaca acttctaate tttgattata 420  
 aagatcatat t 431

<210> 8769  
 <211> 498  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8769

ggtgtagcac taccactgc agaagctgaa tatattgcag ctgcaagttg ttgtgctcaa 60  
 agtctctgat gaaatcctat cccccaaggg cataggatag aagactccaa gaagattggg 120  
 ccagagatgc aagagaaggc cctaggattc tcattagcct tatggtagat tntgggcca 180  
 tgggctaagt atgagaccac ttatctttgt acatattaca ttaatgtttc attatTTTTg 240  
 gcctttgtat ttaggactcc ataattgtag tagggtagcc tagaaatgtt ggacttttca 300  
 gcccttgtat tttatggcac ctagactagt tntttgtatt aagggtagtt ntgtaatttc 360  
 attcgcatta agtgaatatt tgatgtgtgt gttngnaaat aaatttaate gaattgggag 420  
 aagcctaate caattaaatt ntagaggggg aggtgagcat tngcttgcta cacnccattg 480  
 ccacatcata tagtcaca 498

<210> 8770  
 <211> 462  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8770

agcttcatac cctgatatta ttcataaaaa gcttatcaag ataaagtatg gaggggtcaa 60  
 accaattata tcaacaaaat aacactcgac agaactctata agaaggtaaa cctaatttat 120  
 tatgaagaaa atcctctgta atgaaattag gtaaactatg ccagcatttg aatccaacat 180  
 ttgtaactcc aaaagatgcc aaaaaacgca tacggctgat aacatgaaaa caactaaatc 240  
 aacattaatt nttagataaa tggttatfff tgtccctaaa tatgtacata gagagtgtc 300  
 acaaattagt cttcctaaaa atttaaatff tagttcctgg aaggaaaaaa agtacaacaa 360  
 atttatccct tcgttaatff tcgtttgtta ccattaacga aaaagaacat acatgttaga 420  
 ttcatggacg aatntgtcag tactttgaaa tgaaaatgac ta 462

<210> 8771  
 <211> 502  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8771

tcattgatgat gaaccaagca atgttgatga tgccaaaagc cctagtgtatt gattcaagaa 60  
 tgattcaaga cttcaagatc aagcatcaag aatccaatcc aagattaaag attcaagaga 120  
 agaaatcaag aagcaacaag tcaagacttc atataggata agtattaaaa tattnttttc 180  
 aaaaaccaaa tggcacagtt ttgttttaca aaaagaatff tctcatatff tctaagttac 240  
 gagagtgtatt actctctggt aatcgattac tagttatcag taatcgatta ccagtgacca 300  
 gtttggtttt caaaatgttt tcaaattggt tgcaatgttc gaaaatgtatt ntcaaattag 360  
 gtaatcgatt aactatatt agtaatcgat tacaagtga tctgaacgtt ggaattcaga 420  
 tccaatcgtg aagagtcaca actgttcata acatgcactg gtgtaatcga tacacctttg 480  
 tggaatcgat accaatgaat ag 502

<210> 8772  
 <211> 380

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8772

agcttgtgga gtataagaag tcacagaatt gtgttaggtt ggaaggtaac cgttttgtgt 60  
tccctggagg tggcacttcg tttcccgaag gaggcgatgc ttatgttaat gctctaaaac 120  
gtcttcttcc cgtgccttta taatctgggg atgtcaaaac aatgcttgat gttggatgtg 180  
gggtgagtca ncttctatat cttattatgc tttctccttc cttggattct ctttctttat 240  
tttctttcgt cctctcttaa ttgttcgccc tggtatcatt tcattcgctt tcttttagct 300  
tgtactttta catgttacta caagaggagt ttcttgagca acanagacag agaggctttt 360  
caatcaaag agagcttatg 380

<210> 8773  
<211> 281  
<212> DNA  
<213> Glycine max

<400> 8773  
tgtcaggttt agcaatcgat cttgtttgtg tgtctataag gataggatca aatatatata 60  
tatattaaga gagagagaga gagacaggag ggatcaagtt actccaagag taactcttgt 120  
actatatatt tataaatgtt caatctatct aaaactttac atgcatcaag ataatatcac 180  
ataacaaatt cgaattatat aataagttat taaggggagt aagtttgcaa gacttaactc 240  
tatggtgagt gaatttccca tatgtgtatg tcactctaaa c 281

<210> 8774  
<211> 448  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8774

agctttagtc cattataaga ggatgatcat gttattggaa gtatgactga taatgttagt 60  
aagtttgtca tattgattgt gaaggaatgg attgaccgta tcccggtttag agtgtgatcg 120  
ttaaatttta agagaaacga ctattattta ttactgattt ttgcatgaat ctctgaagta 180  
tgaattgaat gcatgaaatt gaggatgatg aatgccatgt ttgattgtga tagccactta 240



<210> 8777  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8777

tgctngagaa gcttctatgg aggttggatc tttgagcttc aatgatgtcc ttcaacggng 60  
 attntctacc atggagatgc agcggaagat aaaggagaag aggtgagagg aggcaccacc 120  
 cactagggaa taagccatgg aagaaagagc ttcaccacca agagagtgtc ttggataaga 180  
 agcttagaga ggaagcttca attgagaaaa agagagagag agagggggag gggagcacgc 240  
 aattgaagga ggaaaagagg gagagacatt gaactttgaa gtgtgtctca taagactctc 300  
 attcatcaca gttacaacaa gtgttacaca tgcttctatt tatagcctag gtagcttcct 360  
 tgagaaactt ccttgagaag tttccttgag aagcttcctt gagaagtttc cttgagaagc 420  
 tagagcttag ctacacacan tctctttata actaagttca cctc 464

<210> 8778  
 <211> 452  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8778

agcttggtat aaatataacc aattatcggg ccccttagag acttagagaa gatatctgcc 60  
 aacttatcat tggagaaatt gcggtacatt tgtttcatat tgaggttacg agaattttga 120  
 ttgacaatat cctttatgac ttttgcataa tgttctattc tagtttggcc tataaatcct 180  
 tgagcttgac ttgattttat tcattctttc ttccatagac tactttcagg ttcttatctc 240  
 ttcatTTTTT atttgaggtt tctctcattc tctatcaatg atgtgagcgt gtattgatat 300  
 ctttttctat cttattgatt gatattttat tggacgttta tgcttatcat tttctacac 360  
 tacaacttca tatttcatca ataaaataag tgttttaatg catgatgcan attccaaac 420  
 acagtgtgct gtattctaac attntaatat at 452

<210> 8779  
 <211> 389  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8779

tgcgtagccc accatctctt catagtagag tatcgataat gtgtctacca tcacgatcat 60  
cgtctccctt tccatcattg ngggtaccac ctgngccgcc agatccctcc accttttggg 120  
cgtgttcttt gaaagatccg tccccctttg tgcaaagtgt ctgtagttgc atcctatccg 180  
gaaccatata aaaattgtac tgatactgcc taacaaaggc aaccattacg tccttccaag 240  
aatggactcg ggaagattcc aagttagtgt accaggtaac agctaccca gtaagacttt 300  
cttgaagga atgtatcagc aattcctcat cttttgcgta ttccgcac tcctgacaat 360  
atatctttag atgggtcttg agacaagta 389

<210> 8780

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8780

agcttgccaa gaaatatcat gttcttctag cttctgaagc agtcatcaag caaatcctc 60  
gtcttttggg gcttggttta aataaggcag gcaagatgat tgccttgcta ttgctcttg 120  
attggttctg cgtaaaatat gtgagttctc aaaccaaata atgtcaataa gagaaatacc 180  
gcagaagcta taaactgtag cttctgttgt gacacacgcc cgattgggta aaacaatcaa 240  
atagaacagt ttcagtgttt cctgtttgtg ttcttagctt gggtccagaa ctttccttca 300  
cttatcttga agaaacggtg tttcttttgg cttctttgag tgtcttttat gatatgcatt 360  
gtgatttacg gagaacttat tgatcacatt ctctgtattt atatccctgc aactntgtca 420  
agagtagacg aatattgcac tgatgataat ac 452

<210> 8781

<211> 348

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8781

tcttaaattg tggtaattgt ttcaacttac acatccaatt tctagagcac atgtcatagc 60

ataactggtg cgttgaattc tctcatgcat aatcgtaaaa attggataaa tcagtcgatt 120  
 atattgagaa ctaatgactt aatacacttc aataattgga tcagttaaac aagtaacca 180  
 tattaacttg atagattnta ataagattta taacttgggc gattctgaca acccgagtta 240  
 cgttgaacac gttacctttc taaatacaaa aaataacgga atgaattcat tntgagattg 300  
 aggcagaaca atcaaaactaa gtaaaatgtg cgtatattac cctaccct 348

<210> 8782  
 <211> 407  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8782

agctngctaa cccatggaag ctctataat ctcccacact ntntaggggtg ggccattctt 60  
 ggatggcctt gattttctca aggtccactt ggacccatt tctaccaact acaaactcta 120  
 agaaaactat attatctaca caagaggtag acttctctat atttgcatag aggggtgtttt 180  
 tcctaaggac tgaaagaact tgcctgagat gtctaagt atcatctagg ctctactgt 240  
 aactaaaa atcatcaaaa taaacaacta caaatctacc taggaaatcc cttaagacat 300  
 gatgcataag cctcataaag gtgcttggtg cattagtgag cccaaaaggc atcactagcc 360  
 attcatacaa accaaacttg gtctgaaaa gcggtntcca ctcatca 407

<210> 8783  
 <211> 364  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8783

tcattggtgaa tcaaagggtg nttgatgata acaatgatga tatcttaaga tgatgacaaa 60  
 ggtgatgaca aanagctcac agatcaatca aagaacaact cagagaatc aagaacaatt 120  
 caagggttca agataagaat caagaagaat tcaagactca agaagaaagt ttagagtcac 180  
 gaatcaagat tcaagggttca agatctcaag aatcacgac aagattaaag actcaagatt 240  
 caagaatcaa gagaaggctt aatcaagata agtatganaa gtttttctca caaattgagt 300  
 agcacatgat ttttctcata acatgtttac cagagagttt ttactctctg gtaatctgat 360

acca

364

<210> 8784  
<211> 343  
<212> DNA  
<213> Glycine max  
  
<400> 8784

agcttctggt gttcaatttt gagcgtctcg atatactata agcctgaatt ggacatccgt 60  
gtgaaaagtt atgaccattt gaatttctgc agagcttccg ttgatcaatt ttgagcatct 120  
cgatatatta taagcctgaa tcggacctta ttgtgaaaag ctatgaccat ttgaatttct 180  
caacaacttc cgctgttgat tttcgagcgt gtctatatga gaatcgctg aatcagacat 240  
ccgaggtaaa agttatgacc atataaattt ctcaagagct tccgctgttc aattacaagc 300  
gtgtcgatat gcgatgcgta tgaattggag atccgtgctg aaa 343

<210> 8785  
<211> 559  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8785

ggaaccctaa tttgagatct ctgcgagctn cngagactat ataatactcn cgctagcctg 60  
atagacgtgc agtaaagaca acgcggacga atgatctcct ttcgaccgg agtacgacag 120  
tctccgcttt atgagcgacg tcaccaacat cgcttccaat gcatcaacgg atggtcgatt 180  
atcctggagc cacgcgtaca tctcaggac taccagtgtg ctgatttcca cgacgatata 240  
tggcgccagc cgtggtcacc actgcgtact cccatggccg agcatgatcc ataaatagga 300  
cctgagtttt atgccaatgc ttcggcaaca gatgagggcg tgcgtgacat gacatcctgg 360  
gttaagggtc agagcatccc gatctatgcc gacgctattg ggcagcttct gagatatccg 420  
ttggtgttat aagacggcca cgagcgctag tatggacaga tgaggaacct gtcttatggc 480  
gtcaactaag agggcatcat ccagatggta tgtataccag ngcacgatta tgcccgactg 540  
ctgcagaaac ngatcattn 559

<210> 8786

<211> 121  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8786  
  
 agctntgttc tttcataaaa tgagaagttc tgaacttata acgttatcta aaaaaccttg 60  
 ggggtggatcc aagagctcca atcattcatt tgcataattca tgttttggtg gcataactcac 120  
 c 121

<210> 8787  
 <211> 427  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8787  
  
 tgatgggtgtc gagaagaaat cacatgtatg tcatcatcaa tatagtggag aatgtgaatg 60  
 tatgtataca tgatnttgat gatgtcaaag aagaatctaa caaggctgct tcaaatgata 120  
 agcatttgct tcaagaataa ttcaagattg cttcaacaaa caaagccttg tttcaagatt 180  
 cactaaagac caagccttgc cttanaacaa agtgctttca agacatgcaa ggctctggta 240  
 atcgattacc aggaagtgtg atcgattact agaagacagg gttgagaaat agctgttgaa 300  
 aaatgttttg aatttgaatt ttcaacatgt aatcgattac catatgtctg taatcgatta 360  
 ccagcaacgg aactttggaa attcanattc aagtcataac ccttcagata taactgtgta 420  
 atcgata 427

<210> 8788  
 <211> 471  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8788  
  
 accgggatcc ttaagtcacc tgcggtgca gcttgcttca caaatntccc ttatttttga 60  
 tccttggaaac cctttaaaaa acctctagga ttctattta taggaaaagg gtcactttgg 120  
 ggcaattgta gttcacccaa gcgagctaga gctcgcttag gcgagctgaa acttagtgct 180  
 gaagcaatga gctcacccag gcgagttggt ttcttcacca tgaagttatt tagtggccca 240

agcaagccag aggctagcct gggtagagcta ggggttcagga aaatcaagga aaagaccctt 300  
 ttgcctccct ttttttggtta tttttcgcat tcttgatcaa aacactaaat gatcatatgt 360  
 ttcgcactgt aactctgttc aacatcgtaa gtcgactagc aaggatcaaa atatcaatga 420  
 acgatagtcc tcggacgaaa tagggatatga cagaaacaaa tcttagatat t 471

<210> 8789  
 <211> 355  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8789

cttcgattca ttctatgtgc ccgtagtggt ccacattgtg cttcgtgcat tctttctcgt 60  
 tttgtttact ttttataccc cctggtgacg tgcttaagcc attttactta agtcatttat 120  
 cgcttaactt aaaaataaaa taaatttcca ccgaacgttt gaattgtatt atccattaac 180  
 ttcgggttaaa ataaattccg accgttcggt cgtgccgtaa ccacgttgga aatcaaaaag 240  
 aggtaaaaaa taatataata atcaaaaaga catcttttag tanaataaag cgganaatca 300  
 atcggacggtt ttctctttgc gattttctcat tcttaatcga attgattaat aacta 355

<210> 8790  
 <211> 429  
 <212> DNA  
 <213> Glycine max  
 <400> 8790

agcttaagat ctgcggcaat tgaggaagtc gctgcatgtt tttatttttg tatgttcttc 60  
 ttggtttccc cctgggattc ctgtcctctg taattttctc attgcagtct ttaaaaaaga 120  
 aaggaacgta ggattgaggt tctggctctc gctttgtgct ttaaaagatg tgtagtattt 180  
 gataaccgga gccttttcgc tcagtcctatg ggatgcccc aagcgtttaat tgaaactgaa 240  
 cccgacgagc tttcgctaaa aagattattc catttgaaaa cactcatgca tacgcataca 300  
 catgcatatt tgttatctta tgacaggaac tggatcgttt taggcaatag tcaaatactg 360  
 agccaaatcc aaagacagag acgaatcgag gtaagcggta acgcgaccac gatttgctgt 420  
 gcaatgtca 429

<210> 8791  
 <211> 419  
 <212> DNA  
 <213> Glycine max

<400> 8791

ccagaaacca tgggagttgg ctgagattta gaggacctac gtccttcaaa gaagacttgt 60  
 taagatgagc aataagagag gtgatttcaa aagaagaaga gttggtgaag attatatcat 120  
 caacatacac caacacatag gttttagagg taggtgtaaa tcacatgaaa agagaagtat 180  
 cactcttggc tgaattaaat cccaaggacc tcaaagtcaa actgagtttg tgaaaccaag 240  
 acctggaggc ctgtttcaag ccataaagag ctttgagcag tttgcatact ttgtgtttgt 300  
 cggatgaaac aaagcttggt ggttgagtca tatatacagt ttcttgaagg tctccatgca 360  
 aaaaggcatt gttgatatcc acttgatgaa taggccattg ttgagaaacc acaaaggac 419

<210> 8792  
 <211> 456  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8792

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 ttgtatatatt tttgtatagt tagaaaaatc tctcaaagca ccttaaatac cttgagagaa 120  
 aagactaagt acttagattg tacaatcggt tgtaagacga ttaagattta gtcaatgtgc 180  
 aaacaaacta taaatatggt gacttattta tagctagcag tggcttgata gaacaaagaa 240  
 tatgtcaagc ttggtgtaga gcttgagttg taaaagccaa aagtgataat gacttatact 300  
 tataacttgt tgaagttggt ggaacttggt ggtaaccaa aagctagtct caatggtaga 360  
 gatgactagt attttaatct gacttgggggt ttgaatttga ttctgtctga naaactcttt 420  
 taattntgca aaatctatct ctatcgtcta aatctg 456

<210> 8793  
 <211> 364  
 <212> DNA  
 <213> Glycine max

<400> 8793

gatgaagacg acagggacca ccgaggggggt tccaatgagc cgcagtgagg cgcgtttttag 60  
gtccttgccct cttggatcct cgtccagctc gtgcacgggtt gggttcacac ccatgccgca 120  
gaagagcctc ttgatggcgt ggcacatgca gcacgtgctc acgctgaata tcaccaccgc 180  
gctctccgac gccagcctct ctatgcgctc cagegggtcc cccactaccg ccgcccgcgc 240  
gttccgaggg gccgccacgt agtccccca ccacgccgcc gccgctgctt ggtaatgcat 300  
tctcagaaga attttatgtg atgaaagaat gacacgcaca atgtatgaaa atgagagtga 360  
gaat 364

<210> 8794  
<211> 408  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8794

agctntgagc aaattcaaac gacaataact ntttatctcg gatgtgtgat tgagtcccgt 60  
catatatcga gacgctcgaa attgaatgct gaacctatga gccaatcaa acgacaataa 120  
ctttttactc ggatgtctga ttgagtcccg caatatatcg agacgctcga aattgaatgt 180  
tcgacctgtg agccaattca agcgacaata acttggttact cggatgtcgg attgagtcct 240  
gtaatatatc gagacgctcg aaattgagtg tttagactgt gagctatttc atacgacaat 300  
aactgtctac tcggatgtct gatagagtcc cgtaatatat agagacgctg gaaattgaat 360  
gttgaaactc tgagccaatt catacgacaa taacttttta ctcgatg 408

<210> 8795  
<211> 338  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8795

ntaacattca atttcgagcg tctcgatata ttacgggact caatcaagca tacgagatag 60  
aagtcacttt cgtccgaatt agctctgagc ttcaacactc aatttctagc agtctcgata 120  
tattacgaga ctcaatcaga catacgagta acacgttatt gccgtgtgaa ttggctctga 180  
ggtttaccac tcaatttcga gcgtctcttt atattaccgg actcaatcac acatccgagt 240

caaacgttat tggcgtctgc attggctcat aggttcgaca ttcaatttcg agcgctcga 300  
tatattacgg tactcagtca gacatccgag taaaaagt 338

<210> 8796  
<211> 418  
<212> DNA  
<213> Glycine max

<400> 8796

acttgacctt ttcctcacac atgtgccata ctccccaaaa cttattttta ataatatttg 60  
aattttgtaa agagataggt aaaatatcta ttatttgagt tatgttaatt ttattgcttt 120  
gtgtgttata ttttcacatg tttttttttt agcaaggagc tacatatata gaggtaacta 180  
gtcaccaacg tgtagcaaca aaatacttgc agcaatatca ttaagaaaca gaaaatagaa 240  
atcgaacaaa cttcctatca ttaaatactt gtaacgttct gatcgaggcc ataccggaat 300  
caaataaaca ttaaaaatgc agtatctagg aattgatctt aggtcatctc ccaacgagca 360  
ttgggtcaacc aaacgttcat tacagatagt aataaacaat aacgaattgg gggggggg 418

<210> 8797  
<211> 417  
<212> DNA  
<213> Glycine max

<400> 8797

acaatggctg accggattag taattcgcct gacgtagtgc tctctcacat tctctcctta 60  
gtcccaacca atgtagcagt tgcaacgagt gttctctcca agagggtggaa acttctatgg 120  
cgctccgttt cgactctcaa cttcaaccac agccaccatg acgacaacaa ccacgaaacc 180  
tgttcctctt ttgctcagag ggtgcacgca ttcacctca tgcacgacat ggaccaaccc 240  
ttcacaagat tctgcctcag ttcttcttgc cctctcgatc ccattcatgt gaacgcatgg 300  
atttccgctg caacgcaaca cagagtcgag cacctcgacc tctctctggg tgtgcggaag 360  
aattgccctc ttcttgcttt cagctgcaaa acctcgtggg ttgaaactgt gatgttg 417

<210> 8798  
<211> 302  
<212> DNA  
<213> Glycine max

<400> 8798

agctatagct ggagtcacatc ttatgattat caatatgtga ccatggcatg aatttcactc 60  
acggattcct ggtctctgtg gggttcttat cgcttctctc atctaacaat agctcgtcta 120  
agctgagctt atacttatag ctgcatcgac taaaagatgg ggctactctg attactcatt 180  
cacttctccc tcttgctga aaaatcgaaa gactaaccgc ctgagtgatc ttatgtatcc 240  
cttcttcttc ttacaagaca attcgaagga ccttccgcct gagaatactc atgcttcttc 300  
cc 302

<210> 8799

<211> 66

<212> DNA

<213> Glycine max

<400> 8799

atgagcaata tgagaggcga tttcattgga ttaggagttg gcgaagatta tgttatcagc 60  
atacac 66

<210> 8800

<211> 324

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8800

agcttaanat ctagggcaat tgaggaagcc gctgtatgtt natatTTTTTg catgtacttc 60  
ttgttttccc cctgcgattc ctgtcctctg taattttctc attgcagtct ttaaaaaaga 120  
aaggaacgta ggattgaggt tctggctctc gctttgtgct ttaaaagatg tgtagtatat 180  
gataaccgga gccttttctg tcagtccatg ggatgcccc aagcgttaat tgaaactgaa 240  
cccgactagc tttcgctaaa aagattattc catttgaaaa cactcatgca tacgcataca 300  
catgcatatt tgttatctta tgac 324

<210> 8801

<211> 337

<212> DNA

<213> Glycine max

<400> 8801

ccacaaacca tgggagtcgg ctgagattta caggacctat gtccttcact taaaacttgt 60  
taagatgagc aataagagag gtgatctcac aaacaccaag agttggtgaa cattatatca 120  
tcaacatata ccaacacata ggtttttacag gtacgtgtaa atcacatgaa aagagaagta 180  
tcaactcttg ctgaattaaa tcccaaggac cttaaagtca aactgagttt gtgaaaccaa 240  
gacctgcagg cctgtttcaa gccataaaga gctttgagca cgttgcatatc tttgtgtctg 300  
tccgatgaaa cacagcttgg tggttgagtc atatata 337

<210> 8802

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8802

agcttatacct tatggctcgc ctccggactt caccnccat gccaccccg aagattaagc 60  
caagccccga ctttcgaggg gcaactccca ccttatgatg actatcccag gcaagacgat 120  
gaggaaggag ataccatct tggccccctg ctccacctca aagatccgtc ccctatgaa 180  
ctaccccaac cgaacatagt ccgccatata ccggcttcac ccacacctac aaaagaatct 240  
gttccttcg cggaagataa ggagaagatg aaggcgcttg aagagaggtt aagagcagtg 300  
gagggccttg gcaattaccc attctcggat ttggcggatt tatgtctcgt gcccaacatc 360  
gtcatccctt ccaagttcaa agtaccagac ttgga 395

<210> 8803

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8803

tgtagggttc accccagatt ccgttgtcat atgctaaact tgatcccata tctacttgat 60  
aattcaatgg tagccataac cctagccaag gtatcatcaac ctccatttct ccgagaatac 120  
aactcgaaca caacgtgtgc ttgtcacgga gaagcccccg ngcgttccat tgagcattgt 180  
agggtcttga agtgtagtgt cgcaacctac ccttcgcgag gagggcgacg cgagactcgc 240

gggatgcgtg ttccacgaaa ggaatacgcg cggagtcgcc accaacgttt atttgaggaa 300  
 aacgtccgat aaactggaaa agacgcgac tacgaactgt ttagtgaaaag gttcgggagt 360  
 tgtatctacg cacggcgaac gtattagcac cccacacgcc cgtcccaggg gacggcagcc 420  
 tttaatcgaa tgtgcaaaca tgactttgat tttatgt 457

<210> 8804  
 <211> 324  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8804

agcttghtaat cgattacaca tataatgtaa tctattgcc gagcagattt tcagaaaata 60  
 ttctcaacag tcacatcttt ttatgtggtt cttgaatggc tatcaaaggc ctatatatat 120  
 gtgacttgag acacgaattt gctaagagtt tttcagaaca aaaaagtctt atcctcttat 180  
 aaagaaaaat tgttttatcc tcttaciaat tccttggcca aattacttgt gattcaataa 240  
 ggaatttttg agtgctcaaa tngttcaatn tatctctttc aagagagatt tcttcttttc 300  
 ttcttcttca ttctgaaaag ggat 324

<210> 8805  
 <211> 454  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8805

tgtcgaatta tggcgtaccc atcacatgtg gtactaggtg gcggtcgggc gatggtgcaa 60  
 aacgattctc cacatccaca aatcacgtat aaccacccat ccctgttgc ccacctcaa 120  
 ctgagctcac gtactccac gtagccctta tctcgttcc tctcaacgcc gggccccat 180  
 caatcctccc aagcttcac aacatccagg taattccaca tccaatcatc atggaccaac 240  
 aaaaccaagc aaaatagggc aaaggcagaa actctgccc aaacacaact canaatcata 300  
 gcttttcaca taciaaatacc ccagtaacat tttcttcgtt ccaattcgtt aaccgttgga 360  
 tgcactcgaa nattttactg gaagtatcta gtacataagt ctacatnttg accgttgga 420  
 tctgctagaa aatgtccaga aaccatattg tact 454

<210> 8806  
 <211> 300  
 <212> DNA  
 <213> Glycine max

<400> 8806

agcttctggc ctatctccct cactcactca ctgtctgtcg aaggtatctc ccacgccgtg 60  
 ccgccatcct gtacagccat cggcatataa gtaagaaccc tactttatct tgtagtggtt 120  
 aatttcaaca tcgggattct tttatcttct tgctgttctg tagaattgaa tatcagttgg 180  
 tggtgttggt ctgtagaact gaatatcagt tgtatcttct tgctttcgtg ttttaaaaga 240  
 caaacatgt aagatatatc ctatatgggc acccttattt ttatgggctt agatttaaag 300

<210> 8807  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8807

tctatcacca ttaanacaac aacaacaaca acaacaacgc cttatccac tacgtggggt 60  
 cggctacatg gatcaacttc cgccataatg ttctatcaag taccatactt ctatcttttg 120  
 aactgtact cgagccatac agcgcgttgc ttccgggcaa cgacctagca ttcacattat 180  
 tacgtaattg atccatgtca tagagattcg acaaagtta acgttggtg tcgaaagcct 240  
 aacacaaccc tctcctttta tccgggcttg ggaccgggta agaataagcaa agctacccta 300  
 cgcaggattt ctatcaccat taaaacaagt aaaaaaaat aaaaataggt agaactattt 360  
 ggaatcaata gaaagttggg gcaaaaggct tatgacatag aggtaaatgc atagaactat 420  
 tattatggaa gtcaacac 438

<210> 8808  
 <211> 354  
 <212> DNA  
 <213> Glycine max

<400> 8808

ataccctcaa tctaaccgac ctgcaattgt tggaggaaat ttactacggg cagcgctcca 60  
 cgtatgcaag taatcaattg acgcttcatt gtaggcgact gaaagatgat gctaagtta 120

acacactggt cttgtcacat catcgaatcc cgtttgttgc cctgattgac ttattatata 180  
 acatcgatag aaccccagat ggtcaggtaa acttacttgc gactactatg acccctactc 240  
 atgatgccct gctatattac aatgagatgt ggaacatgtc gcgccttttt gtatttagtg 300  
 gctactcaat cacatgtttt ttctccaatt atctttgaca ttcccggcgg atgt 354

<210> 8809  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<400> 8809

agcttggaga aaagaactag aacatgcaag atatgcgtac actacgacta taactgaact 60  
 agattcttcc aagcaagaac tcacaaaat aaggcaggat tttgatgcag ctttggaggc 120  
 aaagctggca gcacttcaag cagcaggaga ggctcagcgt tcagtcaaata taaactcgga 180  
 aagaatcagt gaactcttca atgaaatcgc aaccatgaaa gcatcaattg aacaagtgag 240  
 acttgctct gaacaat 257

<210> 8810  
 <211> 399  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8810

tctccatctc tacaganaca aacgtaactt catcattcaa ctctgccatt ctgagctgat 60  
 ttagagtcct tttggcatag acagtgaatg caatagaggt aactattgcc ataataaaag 120  
 aaataatgtt gtatacgata tccacaggag tcaagcgggtg cttcccatac tgtgcgtctg 180  
 ccaatgtctc tattaaccga ccaactgagag atggagaaaa agataaatct caagatgaga 240  
 tgtagtttta tttaacagaa gtaaaaagat aacacgttct aagctgatcc acatctatat 300  
 gactatatcc atcagaagtc atatatgctt ctcaacttct caattctcat ttccatacat 360  
 gtggagctaa caaaaactcg ggtacggtag ggaactcat 399

<210> 8811  
 <211> 445  
 <212> DNA

<213> Glycine max

<400> 8811

catgcaagct tccactccag ttccattcg agtacctaag ggggtgtgatt gtcatacgtt 60  
aaaaacctta atacacaata cccttaagct aaccgacaag caatttttgg atgaaattta 120  
ctaccggcag cctttcacgt atgcaggtaa tcaatttcgg tttcaatgta tgcaactgag 180  
agatgatgct gatgttaaca caatgttaat gtgtaatcat gaattttcgt ttgttggctt 240  
gattgagtta ttatgtagca ttgctagaac cccagatggg attttaaact tacttgcaac 300  
tactatgacc cctactcatg atgccctgct atattacaat gggaggtgga acatgtcacg 360  
ccaaaatgag tttgtcgggt actggtccac aggataaaat cccaataact ttgacattcc 420  
caccggatgt accatggatg aactg 445

<210> 8812

<211> 304

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8812

caacaactta tgaaatactg tctactgaa ttggatatat actctgngat tcctaaaaga 60  
acaataaaaa ctccaacttc ctctactgat atagaaaaca ctgatgcaac caaatcttct 120  
accactaagc atgatctttc tgataaagat attctatggt atggacgaaa acacaatgta 180  
ttatgctcta ttaaaactgt tcntatcata ttattacatt tctttaaatt ttaaattagc 240  
gggagattgt tggaaaatat attcttataa ttcaaaatta aaatataatct ttttataaat 300  
tatg 304

<210> 8813

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8813

agctgtgatn taattntctt tcgtaaattc cttgaactat tntagattaa gccaaataaa 60  
atgaaaaaaa aaaattattc aacttaaata ttcatcttat atttctcatt ttgttctttt 120

cttgtcgcat cattatagga ttgcttgaca tttttctctt tccctatttc catacatcct 180  
 ggctttgagg aagagtttta aggttaaaat ataatttgcg tccttataaa tataaaaata 240  
 tttaaaattt atttttgtaa aatttttaat atattttctt ccttacaaaa ttataatata 300  
 tatcattttt taatttgtag gtaggtttta tttagataaa tccatattta caatgatcac 360  
 tttttatatt aattatatgt atataatgaa tataacaaaa ctaaatacct aagtttggat 420  
 tgaaacgaaa aataatgcat tgtatcttat gaaaatgaaa aatata 466

<210> 8814  
 <211> 366  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8814

actanatgac ccttcttgta ccaccaagtt tccaactcaa tcacttttaa agtcctcttg 60  
 actgagtaca aagtgacttg cagcagtttg gtgagtaatt aagcactcct ctacatgtca 120  
 aattttaaaa tcatatacat atctaatatg aatttcatat taatttcagg atgtgtcgag 180  
 taccatgtac tcatttatga aagctataag attcatacat ctgaaattgg aaaggactac 240  
 aaagtgtaag atagtttata attatcatag gaagactgca aaaattagaa atggatgaaa 300  
 taattttgca caatcacaga attntcttct tgcaactcaa attatagctg agtttccata 360  
 tgcaac 366

<210> 8815  
 <211> 489  
 <212> DNA  
 <213> Glycine max  
 <400> 8815

agtcgacctg ctgcatgcaa gccttgaaca atatacttgt ccttcattta actgtctttg 60  
 ggcttgccga ccatgctcaa caaagtactt tcgacaccta ctgtacgttg atttcaccaa 120  
 tgttgttatg ggaatgttgc gacaatcctt taaaacctta ttgatacatt ctgagaggtt 180  
 ggttgatcatg tggccatatc gacgtccttc tctatcataa gtcacgtcc attttccctt 240  
 tgaaatgcga tcaatccatg ttgctatggc tggactcagt tgacgaaatt tttctaaatt 300  
 ttgatcaaaa atgtgcttgc aatgagtgtg ggctgcataa aactagttat gaataacaat 360

tttaagtata tatgaaagtt aaataaacgt gaccatcaat ttattatata ttaccaatt 420  
 tcttcaacat ttctttttgt ttgacattat tgaattttcg attgaagttg cttgctatgt 480  
 gtcgcacac 489

<210> 8816  
 <211> 404  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8816

ccgcgtntgg gagaaagaaa aggtaagggt tactgaataa tttgataccc ctcttgcttc 60  
 gtaactaacg atggcagcgt tccgatggaa gagctttgag gagaacgagg atcacctga 120  
 actgttcttt cactttcttt gaagttaatg ctggaaaaag tctatttgta tcatttgga 180  
 agaagtaagc ttaagctgcc tacgatatta tttttaatgt tgtgaagatt ttcttgggta 240  
 ttgcatgagt gcctcatcca cgaatgtaaa attatttgct tggctgaagt ccttaacaat 300  
 tatttgttgt ttgtagtaag ttcacacat acttacacta agacatttat cgcgattgat 360  
 ggagctggaa agcgattacc tgatgaagtg agtcccgaga catg 404

<210> 8817  
 <211> 469  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8817

agctnggttc gaatgacttt ntaatgaaaa attggtatca accgaactaa tattttatgg 60  
 tttggtttgg ttcgattttt gtaattttta caaaatatta tttcactaaa atttataatt 120  
 ttttttaata ttttgaatca aattacatta aaaaaattgt taataacaat ctatgaaact 180  
 tattaatatg ttaaaccattc taaaataaaa attttcaaaa atctcatcta tttctaacat 240  
 atcttaaaaa aatcatatga aaaaaagtaa tatgcattat ataagtctta tatacatgac 300  
 aataaaaaac attgtgaaac tcaagtata catgcataaa atacataaca ctaaagtaat 360  
 ataagtatta gtacaagtat tatggtttga tttgcgttca aaaacatata ccgcaaactg 420  
 aactgaacca atcattttga gaaaaacatt caaacaattc aaaaaaagt 469

<210> 8818  
 <211> 477  
 <212> DNA  
 <213> Glycine max

<400> 8818

gcttcggccg cccgcgttgg tcaatttaca ggcgcacatc actaatctta acagactctg 60  
 atcgaaatgc cccgacatat ataaaatgca aaatcggatg taacattggt tactctcaac 120  
 caattcaagt tcgaaactta gtcacccttc aatatatgca tggagactcc tcccagcaat 180  
 ctagatcaca aggcaattaa tattttgttt acttgaatcg ataccaatta ctattattta 240  
 cagaattaat catatgagta tgcattttta atttttgaaa cacgaaatgg aattggtgag 300  
 caaccgttgc gtggatctgc atggtaggat tgctgacaag cgaacaacag gaggatggaa 360  
 agcgtcgcac tttatcatag gtactgttat gacattggat agacaatata ttatgcgttc 420  
 aatggtcaaa ttcttactga tgacaagagt tatagcttag taagtgtaac acatgat 477

<210> 8819  
 <211> 385  
 <212> DNA  
 <213> Glycine max

<400> 8819

agcttcaagg ctaagtcttc atgtcgtccc ccctatctct aatagtaacc tttggaaaga 60  
 agccaacaac tagaatgatt gttgtcaggt tcattgtagt aaagttctca ttgtcctata 120  
 aagccatatt ggcataccat ctttgaacac attgaaggca ttaatttcaa tgggtccactt 180  
 gaccatgaag ttctcagtg atgatataca ggtcgaaact ttgaaaggag actaaaagaa 240  
 agctcaggaa ttttacaag aatctataga gtagaagaca tttgatagtt tttttttcaa 300  
 agcatagaaa caaaggacgt cgagtcctaa gaagcacaaa gacaaggaca ttgagtccta 360  
 taaggacggg gacactgagt cctat 385

<210> 8820  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 8820

ctcaagctct agcttcttta ggaatcttct taaggaagct tctcaaggag gtgagcttag 60  
 ttatgagagg ggtgtgtgta gctaagctct agcttctcaa ggaagttttc tcacagaagc 120  
 ttctcaagga agttttctca agaaagcttc tcaaggaagc tacctagtct ataaatagaa 180  
 gcatgtgtaa cacttggtgt aactctgatg aatgaaagtc ttatgagaca cacttcaaag 240  
 ttctacttct cccctctttt tattccttca atttcgtgct cccctctctc tctttctctc 300  
 cctctntctt ttctccatt gaagcctctt tccaagcttc ttatccaacg ctcatcttgg 360  
 tggatgaagct ccttcttcca tggcttattc cctagtggat ggcgctccc t 411

<210> 8821

<211> 420

<212> DNA

<213> Glycine max

<400> 8821

ctcgaccggg atccttaagt cacctgcggc atgcaagctt tataagcgcg ggtttgggag 60  
 acgaagggtca agtggtcgcg atatacgaag atgatgttcc gactacattg gatttggtac 120  
 gaccatgccc tcctgatttc cagctgggaa attggcgagt ggaggaacgc cccggcattt 180  
 acgcaacgag cataatgtaa acctttacgg gtttaaaagc tctatagttg ggcttaggct 240  
 tttagagcttt tccttttgat aaggctttga gtcttttgtt tgtgaattca taatacaagg 300  
 atctttcttc atctgttctt acgtctctac ccattctcat tcatttgcac gtttacttct 360  
 ttattttctga aacggcagat ccgatgacga gtccccgaa ggtactaata cctgggaccc 420

<210> 8822

<211> 289

<212> DNA

<213> Glycine max

<400> 8822

tgaagggtgtg tagaactctg gtcacgtgtc tactatcatt gtgataatct ctttctctat 60  
 tattggaggc gctacttgag ctaccaagat tctccatctt tgggcgtatt cattgaaaga 120  
 tccgtgcccc cctttatgca catgttctgt agttgcatcc tatccgatgg gcctcttctt 180  
 caatggccat gggcctttcc tttagatgat ccaccttacc catttccgcc atagcatgag 240

ggtttttaat cgttgtggaa tgcaaagggg gtggttgtgg gtgatactg

289

<210> 8823  
<211> 418  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8823

agcttgcgca tcattggaag ctatatgttg cttatgtctt cgttgggcct acagaatgta 60

acttttgaac ttgatgcaaa gttatagtgg acaagataaa gagcaatgtc acactcataa 120

cccacctcat tcatagctca ctattagaaa agtaggattc tacatcggtt ctttaagaga 180

aattaactac atcggtttac gaccgctggg tagtctattc tacaacagtt gacaaggacc 240

gtcttagaat ggtcaacatt ctacatcgat cgttgaagga ctgtcgtaaa atactcagca 300

agctgagcgt gaccatctta gaatgtcttg acattctaca tcggtcttgt caaaaccaat 360

gtagaaatgc taattttgtt ttattttttg taattggagc tacttttntt ttgtattt 418

<210> 8824  
<211> 306  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8824

ctntaaaatg tcatgtatgg ctctgctaaa taaactctat attataagct actggaaaag 60

tataaggcag cagcatcttt ggatacaaca caaggacgaa gcatagctcc tgcttctaca 120

gctgatacta taagttaaac acaactttgt tcaaagcaga ggaggtatgt gctacgtgtg 180

aaccatatca tggctgcata agaggcataa cttctagcat gtccaactac acatgtcatt 240

ctgatttatt gatgcatagn tcttcagacc actttttacc ctcttttctc ttttttggca 300

ctgtga 306

<210> 8825  
<211> 401  
<212> DNA  
<213> Glycine max

<400> 8825

agcttccttc tacacctgat aaagaggatg agatagtcac tgatcgaggc cgtacccaaa 60  
tcaaataaac attaaaatgc agtaactagg aagtgatcct aggtcatttc ccaacgagca 120  
atgactaacc aaatgttcat aatatgcttc gttataacag taatagtaac gattgggggg 180  
gttgttttgt gaatttaaga acaagcagat tggaatacga aattaatagt attaaaaaaa 240  
tgttgtttcc tctgattcag aagccattct cgtgtcctag gttatgaaga atccgtctat 300  
aacagttaac cacttaatcc aaccctatct taatttacta aacgaaaatc aatttaaggt 360  
tgtcaatatg tgattaagca acacatacac caatttacct t 401

<210> 8826  
<211> 457  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8826

cggttntggg aaatagcacc ccacctgacg tccacaaggt cttctgacct ccgcgacata 60  
tctccaggta ccactccgtg gtcaacgaat aaaagcagga agtttcatcc ttctacactt 120  
cctcatctca agctttagg attatggggg atccatcaca tgtggtacta agtggcggtc 180  
gggcgatggg gcacaacaag ttatgcacat tcacaaatcg cgcataaacc caccatcccc 240  
tgttgccac ctccaactga cctcacgtac tcccacgtag cccatatact cgtttctctc 300  
aacaccgggt ccccatcaat cctccaagc ttctcaaca tccaagtaac tgaacatttc 360  
aacaacacag actatcacag ccaagagaac agggcanagg cagaaaactc tgcccaaagc 420  
accaacacag cttttctcac ttaaagacct cagtaac 457

<210> 8827  
<211> 423  
<212> DNA  
<213> Glycine max  
<400> 8827

agcttgtcca aaataaagat gcaggggcaa ctttactcc agtgctcata atcaagtatt 60  
gtcatttgag agcaaaactt aatgccttg tctaatagagc ttctgacag gttgacacgg 120  
catcatcatt cttgaagcca aaacttaggt tgactaacat taaaaatgtt acgaatgttg 180  
ttcataatcc aataacaaat gagaaagaat gcttactaat tccatagaaa caagaaaaag 240



tcaaaatatt atcactagct ttatt

385

<210> 8830  
<211> 364  
<212> DNA  
<213> Glycine max

<400> 8830

cgaagctcgg cagaaagctc gaagatgttt tgtgttttac atgcttaact cccttgagtg 60  
acatttgat tggttggtat attgagtgtt tcattcttagt atcttttgcg catcatgcat 120  
catcatgagt aagtgaagaca aaaacttcct aagttacaaa gtttcttcac aaggcgaaac 180  
tctctatctt aattgattaa aaccttatcg tgattgatta cacaagttgt ctgaagcttg 240  
cggagttatg tctcatcccc gcttaatcga ttatagcctt ctcgtaatcg attacacaat 300  
tgtgtatgag acaacgactg acttattcaa gagtctctac tttaatcgat taccatgtga 360  
tata 364

<210> 8831  
<211> 391  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8831

atcttgctgg ttggttctca acattgtgag gaatcaggta acatagtacc ctttctttct 60  
cacctatctt ttatctgtaa gaactttgct actcctttta attgttaaca attcttaact 120  
taaatagaat atataaaaca ctcgatcaa taatgggtgtg taatagctag gctagtctac 180  
cgaattgcag caagtaatat agaggtaaga atcaacagtg tggacaaatt gcaactaaac 240  
tagaaaacttt catttgacagg taaaaaatc gcacaaaata aggggaagtt cagaaaacag 300  
ggaaaaatcc actatntaat ggtggcagtg tcctatntat tctaattctc ctttatgcat 360  
ccaattgcat tctcaatgca gaattcaatt t 391

<210> 8832  
<211> 263  
<212> DNA  
<213> Glycine max

<400> 8832

tgagttaagt ttagccagca acacatatc ttctactgca agctacatca gctgggtctat 60  
 aaacatgatg tgcattgtcg aatgtgtatg tgtttaatta attcgaaacg cactgagaaat 120  
 cttaacacct tgctatttct tcattacacc attcacagaa tatgtttacca ctattcattc 180  
 aatgttgcga tgatatgatt accaaatggg acgaaatgct gtcttcacat ggatcaagtg 240  
 aaattgacgt atggcctttc gta 263

<210> 8833  
 <211> 178  
 <212> DNA  
 <213> Glycine max

<400> 8833

agtcttgcac accccaatga tccattagga aattacttgt taaagatagc catgaggggtg 60  
 ggctcatggg ccagcttggg atagacaaga cgctcgtctt actcaaagaa aagttttatt 120  
 ggcccatat tgaaaaaaat gtacttaagc attgcactaa gtgtgtagct tggttaca 178

<210> 8834  
 <211> 448  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8834

tctatggaga ctgaatcttt gagcttcaat gaggtccttc aatgatgatt tttcaccatg 60  
 gagatgcagc agaagataaa ggaaaagaga tgagaggagg cgatatccat taagaaataa 120  
 gccatggaag aaggagtttc gtcaccaaca atgtgccttg gataaaaagc ttggagagaa 180  
 tgtttcaatg gaggaaaata aagagagaga gagagagaga aaaagagaga aggggagcac 240  
 gaaattgaag gaggaaaagg gggaaagaag ttgaactttg agttgtgtct cacatgactc 300  
 tcattcatca nagttacaac aagtgttaca catgtcttta tttatagcct atgtagtctc 360  
 cttgaaaaac tctcttgagt aagttctttg aaagctagag ttagttataa acacccttct 420  
 aataactaag cttacctcct tgagaagc 448

<210> 8835  
 <211> 232  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8835

attaccgcga tcctctagat gaaccctgtg catgccagct tgttcccttt aggcctttgga 60  
gtctgcttta tcccantaat atcagtatgt ctctatctga tatcatctat aactattctt 120  
ctcggcagtt ttttccattg ttgataaagc tgggtgcttg gaatggtgaa agtgctgtac 180  
catattttct tccctttcac attgggtcca gtttggtttt tttattgggg gg 232

<210> 8836

<211> 580

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8836

cttcaccacc cctcagaatg atagactntg ccattancct cttncnnntc cccgcagccg 60  
cggtgagccc ntgtttacgc gctgtactca cctcnagct ctgangcaca tcctctcgcc 120  
gtatgactat catccncaca cgattttgcc gccgcatgtt agcctcaacc ctacgacgca 180  
acgtcgagga ccacagtggg cacaaaactc gaacggccgc tacatgtaat cgcgaacgca 240  
tactgcggct cactatccat gccaacacac aactgcagct tgtgcgtacc cgagcatgaa 300  
tcactacaca gatgttgctc atacaaacga gcatacttta ctacctcact ccgcacaaag 360  
gaggccactt cccaacgaac cagctattac ctctctgat gacgcatgga catatattcc 420  
tgaccaact acatttcgcc cgaatggctg gccacaatgc accaccgatc acacatgaga 480  
cggattgggt tcgcaccatc tgaccaccga aaaaaggac gaaatgtgag cccacggcat 540  
acatggcgtg gcgtgcaaag caaccgccca ccggacatgc 580

<210> 8837

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8837

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aagaggatta taaaattccc acctatatat gatgtacata ttataaaatg cagtgtttac 120

taaaagatgc ataacaacta cacaatccct gtcactggcc taataataaa attttgaggg 180  
gatgtctctt tgattaatct ggcataaatt aaaaaaaatt gaaagaaaag tataatacat 240  
ttacagtgtg aatgttttgg aagtatcata agcattttga ttttagagat cgagaaataa 300  
aaaagatata tcagttataa aaatgtgtgt aaaagtaata tagtttacta atttgtcctg 360  
tacttttttg ttctatgttt taaatagtga ttctgtaaaa cacaacataa cactttttta 420  
agaaagacta aaacaggaca gagacatgta tgtctgatgt ctata 465

<210> 8838  
<211> 360  
<212> DNA  
<213> Glycine max

<400> 8838

caaacttggc ttacatcttt taatctcata agatacaagt cagtttggtt catgcagttt 60  
ggttttggag cacctcaatt ttttaaagct gagtttagatt tataaatgtc ataccataat 120  
taattattgc ttctattcat gattaagata tacagcagct ggttcatcaa tcttcaacat 180  
ttacgctacg gagtgcggat tggagaggtt aggtctaaac ttttgcgagg gacttaactg 240  
cccatgacat tttctttttc cattaaaatc ctttttcac aatcttcaac attcacgcac 300  
taaggattaa atagggtttt agtccatata aatatgactt catgtagttt tggattttca 360

<210> 8839  
<211> 461  
<212> DNA  
<213> Glycine max

<400> 8839

gtaacaatct caaaacttct caacattgtc ttaatgaccc tcacattttg cattgatgct 60  
tcaccaaaaga atatggtatg atctgcatat cacaggatac taatttccac tgagcttctt 120  
cccaccaaga ggccttttaa ctgatttttt ttagagcttc tctcattaga cccgttaatc 180  
cctcagccac aatattgaac aggagtggg ctaacagatc cccttatcta agtcctcttt 240  
gagggaaaaa ttctgctaaa ggactcttat tgatcaatat ggagacaaaa gctgatctaa 300  
aacatcctgt gaccaagtt atccacttta gggtagaatc ccacccctcct acgcatatat 360  
accagaatat cctcactaac tgaatcatgt gccttctcat agtcgacttt gaacaccaag 420

cagctcatat cacctctctt cacttctctc acttcattgg c

461

<210> 8840  
<211> 465  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8840

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gatccaatcc aagaacaagc agaaagaagc gcgccaacaa tccactttca tttcaaactt 120  
ttggaaatgg agcggagcct agcatctata acggtctatt ttcttttttt caaataaaaa 180  
ttatatgaga tttgttcgag gaaaaaatac aatactatat gcatatatac tcattattca 240  
ttgttggcag aaaaaaaaaat agcatgcatt tttaagtata atgattnttt tcaccgtaat 300  
aaaaataaaa atattacggg aaaaaaacta taaatattct attttcgtct aattaaag 360  
tattctaagt gaggaataa tcaattgtca tgtacacagc ctagaagatg aacatatata 420  
ggtgtngctc taataaaaaa acactccaac ataataaatc tctcg 465

<210> 8841  
<211> 585  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8841

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cgcccgtgag cgtgatgacg ccctcgtaen nacgcgccac cctctaagac ataccatcg 120  
agcacatact ccactcacac gtcggactgc tctgtacca gcttatttac tgctccttac 180  
catccagaga ctgcttatac cgcttcaac atgccgaacc atattttatg attgacgtga 240  
ggcgattcaa acaattacca tatctcgcta gtcccgtgc tcggtggcga tatgatacat 300  
aagaccaatc cgtcttctaa tacttctgga acacaaccga atgcttaagc ctataacacc 360  
caacaactac atttgactcg tcgcagcttt aagcccataa ttttcaatct ctgtcttgac 420  
acacaatctc ttgctatgag acctccttga ctcaacacgt cgtagaccct aacgcctcta 480  
atgcagacgc caccattca aacctatgca caaccgcgt cctagtcgag catatcaaac 540

accgatcgct ttagaccatg gatctaaaac actcccgcgc tcccc

585

<210> 8842  
<211> 385  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8842

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gagagcgaga aatgaagagc caatgggttga tacatggacg gagatgaaaa agatcatgag 120  
gaagcgatat gtgccagcta gttactcaag ggacttgaaa ttcaagctcc aaaaactaac 180  
ccaaggcaac aaggggggtg aggagtatct caaggaaatg gatgtgctca tgattcaagc 240  
aaagattgaa gaagatgagg aggtaactat ggctcgattt cttaatgggt tgactaatga 300  
tatccgtgat attgttgagc tgcangagtt tggtgaaatg gatgaatttc ttcacaaagc 360  
aatccaagta gagcaacaat taaaa 385

<210> 8843  
<211> 358  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8843

gtacttcaat attntccaca tcatcaacga tcttattgaa attatccaat tgctcagtga 60  
ctgttcttga ttctatcatc ttgaagggtg acagttgttg cttcaagcat agccgatttt 120  
ccagagactt gtgtcattta caaggattcc agtttcagcc acattgaggc tggtgtcctt 180  
tctcttgcaa cttctcttaa agctttatct ctaaggcata gtatgattgc acttctggct 240  
ctatcaatca tttctgattt ctcttttgag cttagagatt cagacatcct ttcttcttct 300  
ttaagagctt ctgcacaacc atgttgaatc aagaatgctt ccatcttgat cctcataa 358

<210> 8844  
<211> 379  
<212> DNA  
<213> Glycine max

<400> 8844

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 tgtaactatc ttcacttgcc aattcaatga acacccgaac cccaatactc gcttgcttgg 120  
 caagaggcct ggacataccc tctttccctt cttattccac tcaccacaa attcacttcc 180  
 gcgcaagctt ctaccctctt taaaaagctt ttcaaagttt gaatctttat caaaaacaa 240  
 caagaccag aacatttttt tagcaatgct gtgaccaatg attgagtagc gaagattctg 300  
 tgatctgtca gcaatggcgg tttgactttt gaagccgcag aagccgaacc cttacgcgct 360  
 ttggaagccg aagccgaag 379

<210> 8845  
 <211> 517  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8845

agccctccgc gcgtgacccc tgatgaacgc gctgcatcta cgcacactct agaacactct 60  
 agcctgttat catgaaatct cataagatac atttatcata tggnatatgc attacgatgt 120  
 ggcggcacat gcttaaattg cggtgtctt acacacatga atcacattgg atcattaacc 180  
 attaggagga attcacgatt aagatatata gcatctgaga actcaaacta tcacttagc 240  
 ccgtatagga tagccgatag gagatgtttg gctcaaacgc aaggcatgca cccactgtca 300  
 aaccatgatt tagccctctt attcttaata gcgaccatca accccttggc tcttaagaat 360  
 atatacgttt atactctcta ttattcagac gacacagtcc gccgcccact ctctaaaata 420  
 ggcgactgg tctcgtttc acgttcagac tcgcctttct tcgtgtattc gtctatgact 480  
 aactcgcag gtgttcagta ttcttaaaga caacccc 517

<210> 8846  
 <211> 392  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8846

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 cgccacacaa atgtggaaca ccttagccat aacatacaaa ggggtgtcac aggtaaaaag 120

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gaacaatatt aaactaagac tcctaacaca taagtatgag atgttttagaa tggaggaagg 180  
cgcagacata caatgtatgg ttgaatgctt ccaaaccatt ttaaacgagc ttacagcata 240  
gtgtagaact cttgacaatt atgataatat tgataaaata ctaagaagtt tatcaagaaa 300  
gtggagatcg tacgttacaa ctttaatage tataaagaat cttgatactc tgtctctaga 360  
agaatgtagt ggaaccttaa aggtcatgaa ca 392

<210> 8847  
<211> 337  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8847

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aaagggggag aatgtgaatg tatgtataca tgattttgat gatgtcaaaa gaagaatcaa 120  
acaaggctca ttctgcttcc tgattaatac aagattgttt caacaaacaa tgctctgatt 180  
caagatttct tcaagatcaa gccttgctc acaatgaaag gtttcaggtc attctaggca 240  
catgttatcg attaccaata catgttatcg attaccaatg gtttgaaagt gtgtaatcga 300  
ttacacatca tatgtaatcg actaccagag aggattt 337

<210> 8848  
<211> 459  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8848

tgcacgatgt taacttacaa gaaaacaagt ttaatcaaag cattatataa tatttattca 60  
acttagaaaa aataaggaca aatgggaaaa gttaacttat agttttattac aataaaacct 120  
aggatatcaa catcaatcat catctaacac gaaattcaat tactgatatg catagaattg 180  
gatgatccca caccataata catataatcc aatacattct gatttcatga attcagtcga 240  
aggaaaacca gataacagga cattaacatc aataaaatat cttttattta tctccaaggc 300  
ctagactcca aggagtccat caggacctct ctctcctaatt tcagggtccaa cccagagaat 360  
attntaatat acagactcta tctatgaact atgcaataca cacaactact caattgtttt 420

caaaatctca actattttcc aaaattatat taacttata

459

<210> 8849  
<211> 354  
<212> DNA  
<213> Glycine max

<400> 8849

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ttgctgatgg cttctttccg ttgcaagctt caattggagt cttgtcgttt acagacttag 120  
ttggacatct gttgagcatg tcaacagcat cagagactgc tatagtctag aatgcggtac 180  
gtagattcgt tctcttgagc agtcatctag ccactctccat aactatgcca ttctttatat 240  
cggacactcc atattgttga cgagaatatg ccactcgaag atggcgctca atgccttaat 300  
cctcacaaaa tgtgtcaaac tcgcgagagg tgtactcttt gtccaatcac ttct 354

<210> 8850  
<211> 315  
<212> DNA  
<213> Glycine max

<400> 8850

cttgactat tatatttatt ttggtaacag tatatatttt gcctgaggtc tggttattac 60  
gatgaagcaa gaaatgttgc ccaatcttca cgtgcttcac atcaatttgc tccttttgta 120  
catactgtgg tcactactta ttactaatt tatgatttaa tctttcttaa taatttactt 180  
atctctgaca gctgacagag tggattaata aaggagggat ggtaccagaa gagattgcag 240  
ctgctgcatc tgatgaatgt gaaagaatgt tgagaactgg tgaccgggta ggtcgaactg 300  
catatgacaa gaaaa 315

<210> 8851  
<211> 426  
<212> DNA  
<213> Glycine max

<400> 8851

tcttgatat tgcagatata ccaattcctt acttgactt atctctattg gcttgcttca 60  
ctctctgtca ttccctgaga cactctgact cacttttggt ctgaactttg aatgattaat 120

aaataattaa ttgttaacta atgttattaa ggcattaatt acaaattaaa aagaagtgtt 180  
 ttaattgtaa tgatgtctta tatacatata tcatgttcac ctatatactt attttagtaa 240  
 tgcaactatt cacatataaa ttattgtgcg ttcaactcta ctttaattctg taagatcaat 300  
 gtcattcaac tctacttate atttctttta tcacctagat agagtatcat atcacaataa 360  
 aaggtgccag cactatcagc agtcccacac agctcgagat acaatcaact aatattcgct 420  
 actaac 426

<210> 8852  
 <211> 435  
 <212> DNA  
 <213> Glycine max

<400> 8852

tgtttttcaa acgggtaaaa ggctcacatt cactttcttc tacatcatat tcaaacttgt 60  
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 tatataacct atatccta atgcacatcct atcagagcgt ggtgttcccg tgcctctag 180  
 catgagggttc ttcataagcca accacctatt catctgctcc cccgaacaca aagtttaaga 240  
 tcatcatatg atccaaacac aaacagcaaa ccgggagtga gttatcacat ttctaactac 300  
 tagagagaaa caacacaaca tatagtagcc aaatacaatt tacttagcat atctcacatt 360  
 atttcatcac tgtgtcattc atcaatcaca cttttcatcc atcaatcaca cgtttcaatc 420  
 attgatcact ataca 435

<210> 8853  
 <211> 561  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8853

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 tatagaatac ctaagcttgt ctctgatgtc gacgatatat cgactgatga tgatgacgat 120  
 gtctaattggg cgaantatgg cgatgatgat tacgggtggg aataagcacg ccgcctacgg 180  
 ggctacgac ctgttctaca taaagtttgc ctggactgac ctatttaata caaaaggttg 240

aggcgtacgg gctttcttca aacagtcttt taaacttana atcagcatca gcgctctata 300  
 ggcttattaa acnaagtcct taatacgenn ctgattagac ccacgcccac tatatatccc 360  
 atatatacct catattatct ctttctctcg actagcatat atgtgccctt gcattgaaca 420  
 caacacaagg cataattaat atttttttgt tgaaactaac aggcccttgat tacacagtac 480  
 tgctctatca ctncattcct ataatcaagt aagacattaa ttaccactta actcgtactg 540  
 agtcatgtgt tgactcgcgc t 561

<210> 8854  
 <211> 361  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8854

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 gatattctaa gaaggggggc attgaattaa gatatacaaa tcttttctaa attaaaaatt 120  
 ctattttgat tttaaccac atcccaagat ttctttcaaa aatgaactcc taaataatta 180  
 tgcaaattaa tcttactgaa tagaaacaat aagcaatata caatatacaa taaaagagtt 240  
 taagggaaga aagattgcan actcagaatt atactggttt ggcacaccct tgtgcctacg 300  
 tncagtcctc aagcaaccgc cttgagagtt ccactatctt gcaaaagtcc ttacaagttc 360  
 t 361

<210> 8855  
 <211> 406  
 <212> DNA  
 <213> Glycine max

<400> 8855

tctacttatg tggcagggcg ggcttccttc actttcttgt ctccaacgcg agctctgacc 60  
 actgttcttc cttcccgcga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120  
 accatacttc ccacgatttc cttgggtttt tatcaggcta gttatgccgc cattgtcttt 180  
 gcctaaaccc atcccgggtt cataaccgtt cccaacata actcggggcca tcattaccgc 240  
 cgcacgggac agacaagggt gcccaaagag ggagtccacg gaggaaatgc tgaccacctc 300  
 aaaagactgg aaagcgcgtt ctaacgattc ttctgcggct tccacataag gcatggagga 360

tgggcagctt accaagatat cttcctcgcc tgacacgatg accaag

406

<210> 8856  
<211> 215  
<212> DNA  
<213> Glycine max

<400> 8856

ggagcgatta cgtttacacg atagtctgta taaaacaaac aggttatgca ctgtagatgt 60  
ttcttacctt acaaacaacc ttctacttc tacatgatga tgcgatgac acacataaat 120  
agattacgac tacaaggcag caatcaatac aaacgccact ccataagaag ctttcgcctc 180  
tactttgccc acaccttttt aaaacttaat cttca 215

<210> 8857  
<211> 234  
<212> DNA  
<213> Glycine max

<400> 8857

gcttcttata caaggctcat cttggtggtg tggctccttc ttccatggct tattccctat 60  
atggacggcg cctcctctca cctattctcc ttgtcttcc actgcatctc catggtggaa 120  
aatcatcatt aaaggacctc atagaagctc aaagatccag cctccataga agccccacaa 180  
gcaagcttcc atcacaaggc tacgtgacac ttatgcatgc cagcccgac atgt 234

<210> 8858  
<211> 130  
<212> DNA  
<213> Glycine max

<400> 8858

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gccctcctgg taattcgaga tcaattgaac ttaccgaaac acattatttc cgcgcacaaa 120  
atccaagctg 130

<210> 8859  
<211> 160  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8859

gcttcatgat cgaatcaaga ttgattcaaa gaagttntga tgataactta ggtaatgaca 60  
taaagctcaa aggtcaagaa cacttcatga taacaaagat gatgatctca agaatcaaag 120  
aatgagctca cgactttcat gattgaaatcc agaacacttc 160

<210> 8860  
<211> 183  
<212> DNA  
<213> Glycine max

<400> 8860

aagatcactt catgataaca tagatgataa cattcaagaa tgagttcaag attgagtcaa 60  
gaacacttca aggatcaaga gcacatttga tttcagaatc aagaattaag attcaagatt 120  
caagaatcat gattcacgaa tattcaagat caagactcac gactcctgac tcatgattcc 180  
aga 183

<210> 8861  
<211> 151  
<212> DNA  
<213> Glycine max

<400> 8861

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tccatggcgg aaaatcatca ttaaaggacc tcatagaagc tcaaagatcc agcctccata 120  
caagccccac aagcacgctt ccatcaaacg g 151

<210> 8862  
<211> 479  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8862

cgtccatata cgcactgttt tatcgcaactg cagacgctga ccacacagga taaacacaca 60  
tatcgtacac taacacatct ttattatcta ggncacatac tcaaagcaat catactatac 120  
tacacataat aggtccttca ctacccatgc tccacctcat catcgaatgt ctcagcaact 180

cttacttgat actttactct cccacaaact tctcctacca cacttacctg tccttctcaa 240  
 ttataatatt cacctcacct cttcaccatt ctacctaccc gctactctca cattctcact 300  
 aatcatccct tgtccctatc actcactctc tttcaactct tccactctat tctctcatac 360  
 ccaachnactc acctctcctc ttogttncac ctctgctcc ctctctcggt tttattccct 420  
 catctatcat cccttcccac ctctccctat catccccac actttctacg ctgctcatt 479

<210> 8863  
 <211> 200  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8863

ataacatcca cgctactggc acttatgtac anacttaata ttgcaacgtg cagtcactctc 60  
 actatataac tctagggatt ccactgcatg tccatgccgg aaaatcactc attaacggac 120  
 ctcatagaag ctacagatc cagcctccat acaagcccca caagcaagct tccatcaaaa 180  
 ggccacgcga cacttattca 200

<210> 8864  
 <211> 423  
 <212> DNA  
 <213> Glycine max  
 <400> 8864

agctagaaga ttccatatgg atatatcatc actgtagatt ccaaccctct gggtatgtct 60  
 acatttctag ttagctcatg gctatgaatg gctaactctc ctagtacggc gattatgatg 120  
 taacctacca tgaaccctt ttctgatttt aataagattc tcgatgcatt ttagttaatt 180  
 gattctcttt ttaactctaa tttttatttg gaaatggtea ttctaataca taatcgattg 240  
 catagtagtg atcatctaca tataattggg agaattagga acaaagtgtt tcatacaaaa 300  
 ctgcatagcc aaactattca cgttatcttt ggtgggttga ttacgaaatt gattaatcac 360  
 cctcatcatt gttcttaatc ccttcgttta attcaacacc tgcattgatta attgaggatt 420  
 gct 423

<210> 8865

<211> 255  
 <212> DNA  
 <213> Glycine max

<400> 8865

ccttcaatga atgtgactta tctctttatt atgcaaattg agaatccgat tcgagaacaa 60  
 atcctttctca agaggagag aatgatgagg acatgaccaa gagcaagggc aaggattcac 120  
 ttgaacgact tggaggacct atgacaaggg ctagagcaag gaaagccatg gaagctcttc 180  
 aacaagcggt cgccatacta tttgaatata agcccaagtt ttaaggagaa aagtccaagg 240  
 ttgcgagtcg catca 255

<210> 8866  
 <211> 182  
 <212> DNA  
 <213> Glycine max

<400> 8866

agcttgagga gacgctaata tagttcatgc aaatatccat gtccaactat aggagcatgg 60  
 agtcttccat caagaacctg gagatacaag tgggacaatt agccaaacaa atggctgaaa 120  
 gaccactag cagctttaga gccaacatag agaagatcac gaaggaggaa tgcaggtctg 180  
 cg 182

<210> 8867  
 <211> 135  
 <212> DNA  
 <213> Glycine max

<400> 8867

cactatgaat actcagcttc atcagtgtaa tcacagcacc aaagtcata gtaggcgctc 60  
 cttacacctc cattaattct ttgctttacc ttctcttcca ttgctgtctc ttcaatctat 120  
 ctctttgcat ctctt 135

<210> 8868  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<400> 8868

agcttctagt ttctatttct agaccaaagt ccattattaa catctagggtc attaataagt 60  
 tgaccatttt ttgaccagag aattttctat gaattatcct taccctttgt agactttaac 120  
 ttaaaaactt aagagattaa ccattgcctag gtatcctatg gtaacatcta atctttttac 180  
 catctttata gcgtaaaaac actatctaatt cgcactaccc aataataata ctgttcaccc 240  
 cacacacatg 250

<210> 8869  
 <211> 221  
 <212> DNA  
 <213> Glycine max

<400> 8869

tccaagctta atttgatgat gccaaagact caagtcaaga attatagatt caagaatcaa 60  
 agagtaattc aatcaagaat caagattcaa gtgaagattc aagaagaaga ctcaagatat 120  
 gcaagaactt caagaaaagc atcaagataa gtataaaaag attttttcaa aagaaaagag 180  
 gaataacaca acttgtccca acgaattctt tacagaaaca c 221

<210> 8870  
 <211> 436  
 <212> DNA  
 <213> Glycine max

<400> 8870

cagcttgata gggaggtcca tcgataacag ttatcattat gcatagttga cgctcattgt 60  
 gaggactaat tagtatctag gagatcttta tattagggtca gtacaccgca ttcaatcata 120  
 aataattatt tatgataaac tcatgaactt ctataacaat taacttaaaa atgataggag 180  
 taataattct catattgacg actatgtaaa ctgttgcgca gataatgcat gtctattaag 240  
 ctctttttga aatcttaggg gattatttta agatatttag tgactctaatt ttactgaagg 300  
 catatattta gatttaaattc ttttatcact ctcatacaaa ataatttttc aaaagacaag 360  
 aaactatgaa tgatgtgtta tataaaaaac taagaagaat cattcaaagg ttaataatta 420  
 ttcaaattcta atatca 436

<210> 8871  
 <211> 373  
 <212> DNA

<213> Glycine max

<400> 8871

agtcaaacta acgtattgat tatatactaa caatttacat gtttggtaac acacacatga 60  
tctgtgacac atgggacaga ggtggtgtta tgggtcagca cgaataataa atgggggggt 120  
attcctgtga actgtgtatg ttgtgagcat ggataaaaaa tgagattata tataatagtt 180  
atctagttgc taacatgact gatttttata caaatTTTtac acatgtatct ttttgcTctc 240  
aaagttactt cgttctaata cttttcatgt aagtgaatat aatgagataa gtctcacatc 300  
ctaaatcaat aaaaatattt tcaaggTcgc gtctgaaaat aaaaacaaca ataagtttct 360  
tgaaatgggt aat 373

<210> 8872

<211> 130

<212> DNA

<213> Glycine max

<400> 8872

agcttgcttc tacaaattct tcatctttct tttgtttctt tggctgagaa gacccttcca 60  
tagtgtcata ccttaatttc gtctgaggac tatcgatcgt tgatcttttg atcctcgcta 120  
gtcgacttat 130

<210> 8873

<211> 332

<212> DNA

<213> Glycine max

<400> 8873

ttgagccaat atcttgactc atcataaacc ttgatccagc gtgtgaatgc cgatccttac 60  
cctcgatgc acgacacgga ggagagtga cttttccac aaaggggatt gtgatcgcaa 120  
catggttcgc tcatggtgcc taacacatgc cactacgaat gtactgtgaa gtttcacgct 180  
ccccctcttc ttgtttctgc tttgcagacg aacactcaat gatgaccaa catgaaaacc 240  
aatggtatgc aattttgcag atcaaaacgt cttgttgacc gcatatgcat gatgatgcca 300  
tgactcatgc aaaatgtgag cctggaatat ga 332

<210> 8874



<400> 8876

ttgaatttct caagagcttc cgttggtcaa ttctgagctt gtcgtcatat tatgcgcccg 60  
aatcggacat ccgtgtgaaa agctatgacc atttgaattt ctagagagtt tccgatgttt 120  
aatttcgagt gtatcgatat attataaacc tgaatcggac ctcaagtggta aatgttatga 180  
ccatttgtat ttctcaagac cttccgttgt tcaattctga gcgtctcaat atgtgatttg 240  
ctcgaatcgg acatccgtgt gaaaagcaat gaccatttga atttctcaag agctctccgt 300  
gttcaatttc gaccctctcg acatattatg cgcccgaatc ggacatccgc gtgaaaaggt 360  
atggccattt gaatntctcg agagcttctg atgtttaatt tcgagcgcac tgatatatta 420  
taagc 425

<210> 8877

<211> 386

<212> DNA

<213> Glycine max

<400> 8877

ctcagctata atatatcgaa tatgaacaac ggaagctctc gtgagattta tatggtcata 60  
acttttcaca ctgacgtccg atacagggtt ataatgtatc gatacactcg aaattaaaca 120  
tcggaaactc tctagaaatt caaatgggtca taacttttca cacggatgtc cgattcgggc 180  
gcataatatg tcgagaggct cgaaattgaa caacggaagc tctagagaaa ttcaaattgt 240  
cataactttt cacacggatg tccgattcgg gcgaatcaca ttctgagacg ctcagaattg 300  
aacaacggac gctctagaga aattcaaacg gtcgtaactt ttcacacgga tgggcgattc 360  
aggctcatca tatatcgata cgctcg 386

<210> 8878

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8878

agcttgcaca ctcaaaggga catctcacct atatctntat taaaaactat catgtacatc 60  
tgtccattac acaaaaaataa caccatctaa gcaaacttaa tacttctata gtcatgacct 120  
tttatctaag taaattatta tttttatttc tctaatgat atagagattt ctccattccc 180



atattnttct atctttcatg ttctatgtct gcatttttac aatatttatg ctggtctcan 360  
 atgtagttgt tcaggagtta caagagcaac atggtgctaa ttctaagtca cttaatgtag 420  
 cgagatgtac atcttttaaat aaagatggga tca 453

<210> 8881  
 <211> 434  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8881

tgaagaggcg aacaaaaaaaa gaacttagan aattgttcag ttgttctctc gctaagtgca 60  
 aactcgcgc taagcgccaa gtcttcacgc gctaagcggg ccctttctcg cgctaagcgc 120  
 ttagaccctt gattagtggc tggatggtaa cgctaaacac gccttgcttc gctaagccta 180  
 attatctctc tggaatctga atttatcgaa ttgggcttaa cgaggtgaaa atctgtggat 240  
 agcgctaagc ccaaatgcct ctatggattt taatttctcg cattgggctt agcgaggtga 300  
 tgcgctaagc gcaattccct ctctatcttg aaattctttg gaatagcgct aagcgccggt 360  
 gaagcgctaa gcgcaagcca tcaactgcag gaggagcatg tntatgcgct aagccccacc 420  
 tttggcagct aagt 434

<210> 8882  
 <211> 395  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8882

ctgcggcatg caagcttcta tataagctga accattttat caatatacac aagttgagtt 60  
 ttattcagag aattagagtt tatctctttt atcttagtga gagtgattct cctaaattct 120  
 tgagtgattc aagaacaccc tgactgtatc aaaggacatt cacaaccttt gtgtgttgcc 180  
 ctgcgtggaa agagtgatc tttccttcct ttcattctca cccttggtct ttcaaaccac 240  
 aattccagaa aatccacctc tgcccagaat tatctcgtgg ccataactcc cattntacgc 300  
 actcaaatta agtgattctt gagcctaaat tgaatttcaa aacgagacct ttcacctcgt 360  
 tttggaatca cctcatttgg agccctgtag cttca 395

<210> 8883  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<400> 8883

tctgaatagg acctccgtga gaaagggttat gaccatttga atttctcgag agcttttcgtt 60  
 gttcaatttc gtgcagctcg atatgtgata caccagaatc ggacatccga gtgaaaagtt 120  
 atgaccatat gaattttcttc atagcttccg ttgttcaatt tcgtgcatgt cgatatgtga 180  
 agcacctgaa tcggacatcc gagttaaacc ttatgaccat attaatttcc cgagagcctc 240  
 cgttgttcaa ttctgagcgt ctcgatatat taagcgcttg aatagcacct cctgtgtgaaa 300  
 agttatgacc atttg 315

<210> 8884  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<400> 8884

ctacatacaa cacaacgtat tatgcgcctc aatcagacga tgcgagccta caagctcgac 60  
 aatttaaatt cttaaaatac atcgcttgat atcattcttg tgcgtgccaa aataggccta 120  
 tcataatcta gcgtgggaga gaatataaca cataaactct gctttagata cctatcttta 180  
 ttgaatgact gtctcaaacg atacaaaggc tatatactga gactatatcc aaaatttgat 240  
 cgctctttat ttaataggtg catatattcg aatttaaatt tttt 284

<210> 8885  
 <211> 508  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8885

gcccgcgcgc atgagacctg attagcgact cttgaagctc cgcttaaata tatcgcttgt 60  
 gaacaacgga agctctctag aagatttcat gctaacatca ttgctgctga agacggcaca 120  
 tgtgtgctac gcagccatac actcgaagag atccatcaga accgctctca aattgcatac 180

ggcaatatct tgacaagagg attaccgaça acgtcgcaca ttatgaatgg aggctcgaaa 240  
tagagaccgg tgagggtgaga cattttttata gggttgtgac acacgacact gttggatgaa 300  
agagtaaagt ttcttcataa ttcacgttgg tgaatattct gacttcagat tgacatcctc 360  
tctcggtatg catatgaacg tggcgcggtat gagcataaaa tagacaataa gtcctttgat 420  
atggacaatg agacactcca tanaacaaat gggaattcta gtaacgtgga cgcactcatc 480  
gctgaatata ccataacgtc gtacgggg 508

<210> 8886  
<211> 400  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8886

agctntaacc tcatcgtctc tcacagtctt tagatttggg agccaatcca atccttgtgt 60  
tcggactctc agccacttat gatagccgcc gatgatccca ttactgcttc cctaagctc 120  
tctgtccttt cttcatgccg catcccatgc cttgcgaact ccttggagta ccctcgcgtt 180  
gtggtcactt aaaccccggt cgatgaaagg cgtgatgctt tcgtctgatg gcacttctct 240  
catggggtag ccaagctgtc ttatggcaag gacgagatta taattaatac aaacccttgt 300  
tcccatctag agaacatttg gacatccttc gcatgaagat agaatcctga ttcttccttc 360  
cttctagcga gggaaccaat taacagacgc cccttcatgc 400

<210> 8887  
<211> 343  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8887

tctgccccaa ttntctataa atagggggag aagtgaagtg aataagggtt cagcccccta 60  
cgcacttata tctctttcga atttgcttgg aaaaattggt tctgtgaaga aaatccaagc 120  
cgaggcgctt ctgaaacgtt ttcgtaacgt ttccgtgagg aatttctcga aggtttcgac 180  
cgttcttcga cgctcttcat tcgttcttca tcgttcttcg atcttcaacg ggtaaatacc 240  
tcgaaccaag cttttcgatt cattctatgt acccgcggtg gtccacattg tgtttcgtgt 300

atttntattc tcgtttcatt tactttttat accccccttt gac

343

<210> 8888  
<211> 363  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8888

agcttaatat tgaaattata ttntttntat tcctttaaga taaaatatgt caacttatct 60  
tcaataaaat aaaattagca gtttttatag cattaatttt tattaagtta aattaataat 120  
gctcaaaaat ttcatttggt cagctagata tcaacataga tatgctgcaa ttgcaaatt 180  
tcttatagca ggtgtgcact agagtgtgaa taataagaat tattttgttt gagaataaca 240  
ttcaaagatg ctctcttatt ttttttagct ctgataaggt gtgggtcaagc tgtgttttca 300  
attttctttc attcctgtca gctctggttt ttttaggaaa ggtgggtcat ttcattcttt 360  
aat 363

<210> 8889  
<211> 432  
<212> DNA  
<213> Glycine max  
  
<400> 8889

tctagaagaa ttatcggcta tctgcttagt cagctatcct acttgaattt ccaaattatt 60  
tatagtagac ttgtgtctca tgtgatttga cattgcaact tgcattgaact gaaccaaatt 120  
ctccttcagc ttgattgttc tctcataaag gctacgcctt tgattttaag gcctgttgga 180  
tggtctctct tggcttttat tgaattgggt tccaggatga gacctccact gcccttgatt 240  
atgattaaaa ttggaaactt gctagtaacc tcgcaaatca cctgcattaa atcctgggtct 300  
gtgctgattc ctcatataat tcacctcctt tgcagcttca ttaagagata tacaacaatc 360  
agattcatga gctcctccac atatgctaca acctccaacc tgcagaacta ctgaatgtga 420  
acggtgagtt gc 432

<210> 8890  
<211> 325  
<212> DNA  
<213> Glycine max

<400> 8890

agcttccccc aaccaacccc aagagtcgag ctctcccttg aagcattgtg tcacggattg 60  
tagaccattt ctcaacctca acttggtggtt cttctgagag gacttggagt gcaaagaatg 120  
cacaagaaac accaaaatac atgggatata tgctttcagt gtcactcttg ttgtcacacc 180  
catctctatc caaaacagaa acttccttct caccatttcc tgtgagatcg gattccctgg 240  
cacctctgca actgaaaacc aaaagttaag aaacaaaacc agcaaagact gtaattccca 300  
cattacctta caactcacat gattc 325

<210> 8891

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8891

tatcaaaaaca ggtccttagt taaaggcctc tttctccacc gctgtgccac tattagacta 60  
aaacggttctg cagaagacta aattaactta gagccaaagc caaaaacggt tcaagacaaa 120  
agcaatagta aaacattgct aaaatgaaaa ttgaagttag agaacacaaa aatgaataac 180  
taaattaaaa ctaaaattga cattagagaa cgaaattatt gatgttacct tgtcatttca 240  
tcatatatat gaacatagta aaatcctttc ttttctttc cattattcaa caaacctata 300  
tacatatctg gaagggttatt tccgtctata cgggcgttaa tacaatagat aagagatgaa 360  
ctacccaag aagcttgggg cctggtntat tcagcanata tctgctcaag catacagaga 420  
atcaccacat aagttctaata cacatatt 448

<210> 8892

<211> 307

<212> DNA

<213> Glycine max

<400> 8892

agcttagcgc gcctctgtgc taagcctaata tacttctctg tttaagattt atgctgagcg 60  
cgatcatgtgc gctaggccta aatacctctc tgcctttatt tgggttttagc gccactagt 120  
gctgtaggcc cccgctctcc tgattcatga ttgcgctaag taggaccctc acagcttaga 180

gccctaacgt ttcattgtgca ctatgtgctaa gtgcacccat cgtggccttaa tgcactcatt 240  
 tggttttggt gcttcctttc tttacttact tttccatctg taattcttct catgcttctg 300  
 atggtct 307

<210> 8893  
 <211> 455  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8893

cattgtatgt aatgtgtgtt aaaataagtt gtagatgttc cctttgagtn ttgtttacgt 60  
 ataaatataa taatttctgg tcttaccatt ttgaaaaatt gaaacgctcg tcaatttttg 120  
 aagctaaatt gaatggctgt taatgggtgg taatgaccac taatgaatta taacagccaa 180  
 taatgagcgg taatggctac taaatgcatt cttgatggta gaatgcctat atatagcaca 240  
 tgtatttggg ccgtgagatc atctctttga attcattctg atacaccatc tacagagaga 300  
 aagaaagaga gcttgaaaga accaaaacaa gacaactctt catggcaatg gttggaggta 360  
 tgatttaata tttattctcc gcattttgtt aatgacctgt gtntcttttg tagtttgcaa 420  
 catcacacgt taaaacgtgt agtctaacat ttggt 455

<210> 8894  
 <211> 406  
 <212> DNA  
 <213> Glycine max

<400> 8894

agctctgctt taggggcaat gatacgacca ctgataagca atggaagcat gagaaaacat 60  
 gtgggcgtgc cctaggccta agatttgaca aagagagtgg agatctatac atagcagacg 120  
 catactatgg acttgttgtg gttggaccta atgggggact cgctacatcg ttggcaaccc 180  
 atgttgaaag aaagcccatt ctcttcgcaa atgagcttga cattcataag aacggatcca 240  
 tcttcttcac agacaccagc aaaagataca acagagtgtg agcctttatt actcatatac 300  
 tatacatcat ttgagtatat tcatgcactc attattgctt tcaatggatt attattgttt 360  
 acaacgtact tattacttgt ttgcagcggc cattctatta tattat 406

<210> 8895  
 <211> 319  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8895  
  
 agcttctcag atttccttc agattctccc aactcgctaa gcgggctgag tgccctcgctt 60  
 agtgcattgac tctcgctaag cgcacaagcc tcaattggcg agacaccagc tgctagcctt 120  
 cacaaatttc atccttttta cctgaaattg aagttgaaac acattaaatt cacaatgttg 180  
 ggcatttcta ttgaacaaaa ctaaactaaa cctaaaaata agtacaatc tacaaaaaga 240  
 accataaatt ggggaaaaag acaacattnt ataacatttt tctatacana agttagtcgt 300  
 aaatgacgac taacaaact 319

<210> 8896  
 <211> 449  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8896  
  
 ntcaaccag tagaaataac atatggctca cataaattag ctggtacata accaatgctg 60  
 ccataatgtc ataagacaat ggatttggtc tcaccataag catcccttta caaatcccta 120  
 ctttatttta cttcttttaa atgactcagt cacatccctt ttacaaatta aaataaaatc 180  
 attgttcaca ctaaatgcaa atttatgctt gcaattatta aacttggaga tcagagttgc 240  
 tcacaaaatt atctacgact atgtctctca caatttttat ccaactattc aaattgatgc 300  
 gacgtggtaa cttgcattag cctaggaaaa catatattta gacatataac agtttanatg 360  
 ttcagccata aatctgttac aaagaactct attttgacct cggtgatact atctaaccct 420  
 ctaacgtact gcatatattt cacagaatg 449

<210> 8897  
 <211> 433  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8897

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 tttagtcate ctgcttgac gaatgagana actggggcaa atgaagaggg tgaggatgaa 120  
 ggaaaagccc gtgctgtgac tgccattcct atacgaccaa gtttcccacc aaccaacaa 180  
 tgtcattact cagccaataa cgacccttct cattacctac caccagaca tccacaaagg 240  
 ccatccctaa aatcaaccac aaagcctacc taccgcactt ccaatgacaa acaccacctt 300  
 tagcataaac caaacacca accaagaaat ngaatttgca gtgaaaaagc ctatagaatt 360  
 caccccaatt ccagtgtcct atgctaactt gtccccatat ctacttgata attcaatggt 420  
 agccataacc cca 433

<210> 8898  
 <211> 387  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8898

cataccatct actatgccaa caaagttata aatgatgcac agatgaatta tgctaccaca 60  
 gaaaaagaaa tggtggcaat tgtctatgca cttgaaaagt ttaaacttta tttggtaggc 120  
 tcaagagtta tcatctacac tgatcatgca gctattaaat acttgctcaa caaggctaatt 180  
 tccaaaccaa gattgataag atggattttt ttgttgcaag aatttgattt ggtgattcgc 240  
 gataaaaagg gatcaaagaa tggtgtagct gatcatctgt caagattagt gaatgaggaa 300  
 gttacagcaa aagaagtcga agtgagagat caattccctg atgaatcanc tattttaata 360  
 agtgaaagac cctggtttgc tgatata 387

<210> 8899  
 <211> 435  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8899

acacttaggc attcctntgga ttatagagac tagatctttc aaatgttggt atagaaacgg 60  
 attgaaaagc atctgtggat agttttcaag ctgacactaa gggctcaact gatttccatg 120  
 ttatcttgaa tagttgtaga gatcttcttt catcaattcc aaactctaga gtgagttttg 180

taaagaggca agttaatcat gttgctcaca accttgcaag ggcatacaaga ttttatgcta 240  
 actctcgtat ctttgattat attccctcat gtattgtttc acaaattggt aacgaaataa 300  
 tataactttc ctgtaaaaaa aaaaaagctt aagctgtaaa gtgaaagcac atgaataatt 360  
 gtatatctaa aatatcctct cacacacact ctttaaaagc ctaaccctac ctttgctaaa 420  
 tttacttaaa aaata 435

<210> 8900  
 <211> 470  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8900

cgtacatctt aactaaaatt ggaatcctct tctacgtac ctatctagga agctatagca 60  
 agtaaaaaaa aaaattgacg atgagagaca agccatgcc tcaatttgtc ttctagaaga 120  
 gacagtatcc aaaaggcgac gaaatgaaca taggaaaaca tggctctgta ctcttggtgc 180  
 acaaaagtga acgagacaga agaaaagtct ggcatactgg aaatttgcac acattgaagg 240  
 cttgcattca tattatagaa gagaaaaaag aatagtataa ttgcaggcaa acttatatac 300  
 attattatag ggttcatgag tntttgtttt actgtaccat tccccaaagt aaatgtactn 360  
 attttggtt gaaaaaaaaa ttggtggaca ccaaatactc gataacatct atagaggagc 420  
 ggantgagag agaagacact actattagta taatgagaaa tgctctatgc 470

<210> 8901  
 <211> 478  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8901

ttaagtcacc tgcggcatgc aagctntaag agcaattcct ttctttntct tatcattctc 60  
 ctcatgttga ttcaatctca tcaattccat ttcatgttcg tgtaactttc caaacaagc 120  
 agcaagagac atgtagata gatctcgtga ttcatgtaatg gctgttacct tgggttgcca 180  
 ttctctgctt aagcatctca aaactttatt gataagatct tcatttggaa atgtttttcc 240  
 taaagatgca agatgattaa ttatgtgtgt aaacctcttt tgcattgtct gtatgggttc 300

atttgattc attctaaata attcatattc atgagtcaaa atatttatcc tagatctttt 360  
cacatttggt gttccttcat gggttacctg taaggatatcc catatatnct tttgcatttt 420  
acaatttgat aactaaagt attcattcat cgctaaagca gatgtaatta tatttttg 478

<210> 8902  
<211> 373  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8902

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ttagatattg gccccccggg catcttcttc gcttgatctc tttgatatcg aggaagattt 120  
gcaaaaagct tatcccttcc aatgaaaata ttgtctagct tcatggcgaa tcgttccggc 180  
tcttgaatcc ggcaaaaacg agcaaaaccg aatcttttac ccatactatn tctccttgtc 240  
ggaatcacca cctcttgcaa gtcaccatag ctctgagac tgttgaacaa gtgcttcgca 300  
ttcatctcct ccgcaaaatt ggtaatgtaa atcgttggtg attgtagttg ctccttaact 360  
ctttgggtccc tgg 373

<210> 8903  
<211> 438  
<212> DNA  
<213> Glycine max  
<400> 8903

cttaagtcac ctgcggcatg caagcttggt tcccaacgct ttgttcagac tctcctaaaa 60  
tctagagggtg aatctaggat ctctatcaga cactatgcta gatggcacac tatgtaatct 120  
gacaatctca ctaatatata gggagggtcaa cttctccaag gaaaatctga tcttaatggg 180  
aatatcctta gggaacactt caggaaactc tctgacaata gggagggtcac ccatggaaac 240  
ctttgtctct acttctaggt tagacatgat catgtagact taagcatctt cttttaaaga 300  
tgtcacaact tggttggcaa agataaacat cctatcctta ctcaactccag aatcatcaaa 360  
cactgcattt ttattaaaac aatttaacaa gacatgggtg gaagataact agtccattcc 420  
cagaataaca tcaatttg 438

<210> 8904  
 <211> 382  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8904

ntcatttatt attctntgct aagcaaagtt atcctatatt tgagctctat tgtttattca 60  
 ctcatagagt gttattgaat atttgtgttc attcaaactt ctatttttga aagccaagag 120  
 tggtttagtg ttaaacaata gttgagtttc ttagatttac ggggagtcta agaaagtgtc 180  
 agaagttgta ttaagaatac ttgtatagct acgagtgcgg gtcacgatac tcgttntgta 240  
 atgaagtttt gattagtgc aacctttact tttgactaaa ggagaattgg gcgtagctta 300  
 cgttgagtga atcaatataa accaagtgtt tcaacttctc tccttaatat cttattaagt 360  
 attctatcgg cactctctat ca 382

<210> 8905  
 <211> 338  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8905

agctcgcttc aaagaggtcc aggaaggaca aggcggccga aggaactatt tccgccccgg 60  
 agtacgacag tcaccgcttt atgagcattg tgcaccagca gcgcttcgaa gccatcaagg 120  
 gatggttggt tctccgggag cgacgcgtcc agctcagga cgacgagtat actgatttcc 180  
 aggaggaaat agggcgccgg cggtgggcac cactgggttac tcccatggcc aagtttgatc 240  
 cagaaatagt ccttgagttt tatgccaatg cttggccaac agaggagggc gtgcgtgaca 300  
 tgagatcctg ngttaggggt cagtggatcc cgttcgat 338

<210> 8906  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8906

tgtgttttcc cttgtagaac tactaactgc agtaacagat tctcctgaaa tctgttgagt 60



<210> 8909  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<400> 8909

agcttaaagt atgcccgtgt cattcatccc tatgagatgt tgttgaagta ttggcgatca 60  
 gaattgccat tccttggatt ataggattga accaagctca tgcttttaca aaaagggttca 120  
 tcaagtcaag ttgaaatacg gaagtaaccg tcttgcaaaa ttggggcaaaa agatgaatcg 180  
 agtcacatca ctgcttcata tactgcaaaa catatttagg attgttgaag tccttgctac 240  
 ttccagtttc accttgacaa agttgtcatg gaccatgttg aaaatctaaa ttgattcaac 300  
 cccatatact gcgtaaaaat tcgcaatact tcaactttac atcattcgca tgcattccatg 360  
 cttttcattg gttgcattgc tcattgcatt c 391

<210> 8910  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8910

tgtagaatgg ctagacatga tacatgtctn gggttggttc ggttcaagga taaaagggat 60  
 gcccacatt atttccatga cacaaatgca aaaatgatga ttaggaaact ttatgcaaaa 120  
 ctgggtcatgc atgcacctat gtggacactc aagtgtcaaa tctttatggg catgtgatgc 180  
 taagggtcaa gattcatttc ctctatttta gtcaacccaa cgtttcctaaa atatgttctt 240  
 ttatcaattt gtgcattcat ccgagtccat tctgggcgtc tgggaaaatc ttcacagcat 300  
 tcacccttca ggtgtatata cattttttca aaaactagtt atgatcagtg aattttttta 360  
 aagaaagttg gaagtcattc ctcttcaaaa gcatgttggt tgttcagctt gacaacttat 420  
 actcctcttt tctc 434

<210> 8911  
 <211> 306  
 <212> DNA  
 <213> Glycine max

<400> 8911

agcttgctcg ataagccatt gatgtccagt atagtagtgc cgctaagcgc aaatccttat 60  
 ctgttttgaa aatttgtgga attgggcata gcgagcctgc tcgctaggcc aattctgcag 120  
 aaaaaaatgg atttgtgttc actcgctaag tgtgtggtag ccacacgctt agcgcataag 180  
 tcatttttcc taaggcacgt taagcgagtc acttgcgcta agcgccctaga ctgaatttca 240  
 attttgttta tgattcttaa tttgaataaa ttcttgccta atcttatggt tcgattcttt 300  
 tgtatt 306

<210> 8912  
 <211> 429  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8912

tggcttagca tangtctaaa atattcataa cagaagaggg tctatgctta tcgcagcatg 60  
 gcacgcttag ctcagcctct ccaaaatgac ccttacgctt atcgcacagg gcgtgcttag 120  
 cctaactata aaaactaaaa aacagttaga gagttgagct tatcacagca gggcacgctt 180  
 agtcaacct cctcgaaaca caactatggc ttaacgtggc aggctgcgct tagccttatt 240  
 caaagagtta aaacacaaaa cctagatggc gcttagtgca gcaagttggg cttagcacct 300  
 aaactactct aagtgtctaa aacactaggc ccgcttagcg cacagatgca cttagtgggt 360  
 tcatcatatt attcatcagc aacgatgaac gcacttagcg tgatcatatg gaatacaaaa 420  
 naaattaat 429

<210> 8913  
 <211> 170  
 <212> DNA  
 <213> Glycine max

<400> 8913

ggacgactct tgagacttgt tgagagaatg ggccatgtgc ccgccatttt cctctgtatc 60  
 caattaaatt ccaatacgca tgagagggag cataggcact aggtagcatg gcccgcacct 120  
 tgtaaggatc atatcatacc tcatgtaca ccccatccct gaccaccac 170

<210> 8914  
 <211> 510

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8914

cgacgcggca tgancccttn ntgacgcatt gatcagtgac cttgaatctc agctaaatat 60  
 acgattctat tatactcagc ttggctcact tatcttcttt atatagccac cttttgacag 120  
 atacactata gctatcttca cacacttcta ctgatgctct acgcccata taaatgcctt 180  
 atgtgaccat aacaacgcgt tcatacacct actacttata atggctcgga ggacgccgtg 240  
 aatatactat actattgaga attacgaata taagggccga agggaaacta ttgctattgt 300  
 aacatgtact cataggagcg tatcccaact tggaccatgg actcattana tctaccctac 360  
 gggtcatgag aatctctcgg caatggttat gagctatata tcaagcctct cgtagtggtg 420  
 tagcgaatac actagtgcgg tgcgagttga tgatccctc caccttcgga aggattggaa 480  
 ctgatatgcc gaggttctat gtactttatn 510

<210> 8915  
 <211> 229  
 <212> DNA  
 <213> Glycine max  
 <400> 8915

gacaatcctt tgtctctcac tcaatcctta ggcccagcac ctagatattg agtgtgaact 60  
 acgtataaga atggacgatt tcccccttga ctgtgactcc tgaacacaaa agtatgaaag 120  
 ttgcacagac ccattggcgg gctattgacc aaaggggcac cggccggtca caatgatact 180  
 gtgagtacct agcggttgcc gtggacgacc gttaccgtac gtctacact 229

<210> 8916  
 <211> 204  
 <212> DNA  
 <213> Glycine max  
 <400> 8916

agggacatat tgacagaggg gggttcacta cattgacgga tgacctagg agatacattg 60  
 agattctaga tgtatgtcag attacgatcg ttcacgaaa ctacgcgaag tgtgacacat 120  
 gcttatattt ataggctagg catctaactt gagaagatac catgacatat cattcctgag 180

aacctggagc ttagctacat acac

204

<210> 8917  
<211> 125  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8917

tgcttatgca cggaatatgt aattatgaaa ttgagatgcc tgaagaaaca ccatttccta 60  
gttaaccatg ccttaggtac catcttcaat tatttgtgtt tgctgccng tcattctctc 120  
cccc 125

<210> 8918  
<211> 401  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8918

ntgatctacc accatcgcca ccaccatcat cttagttntc tattatgtta tattattagt 60  
actttgattt ccagcgttgt attttggtta tattattatg atatttgaac aatttactat 120  
ttccttattt gcatggtatg tttgaacaaa tattaagtat gttatttggc tatgtggatg 180  
ttatagttaa tctattcatc attgctgctt catgatttgg ttgatatttc tccatacatg 240  
ttgtatggat gcttagttat atgtgtatgc ctcaaatttg ttacacactt tggctttttg 300  
ttgatgtcaa aggggggagag aaatatggac taaatcaaga actcacatga gtaatcaact 360  
taatcttaag agaagcatan attcataaac aaaggggggg g 401

<210> 8919  
<211> 450  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8919

agcttccatc acanaatagc tactaaggtc ttgttgctga gattnttctg gccaacactt 60  
tttaaagatg cccatcacca tgtcttaaag tgtgatcaat gtcaaagaat ggtggatttc 120  
ccgaaggaat gagacgcctc ttcaaaaaat tatggagggt gaagtttttg attgttgggt 180

tattgacttc atgggtcctt tcccctcatc tgctagtaat aagtacatcg tggtagctgt 240  
 agattactgt gaatgtatgt atacatgatt ctgatgatgt caaaagaaga atcaaataag 300  
 gctcatttgc ttcaagatta atacaagatt gtntcaacaa ataaagcctt gattcaagat 360  
 gtcttcaaga tcaagtcttg cctcacaatg aaagggttca agtcatccaa ggcatatgta 420  
 atcgattacc aatacatggt gtcataccct 450

<210> 8920  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8920

gggagaggat gcttcaatgg agganaagaa agagggagag atttagagag gggggagcac 60  
 gaaattgaag gaagaaaaag ggagagaagt tgaactttga gttgtgtctc acaagactct 120  
 cattcatcaa agttacaaca agtgttacac atgcttctat ttatagacta ggtagcttcc 180  
 ttgagaagat ttcttgagaa aacttccttg agaagctaga gcttagctac atacaccct 240  
 ctcataacta agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga 300  
 gcttagctac acatacctct ctaatagcta agatcacctc catgagatga gaagctagag 360  
 cttagctaca caccnctat aatagctaag ctcaccccca tganaaaaaa catgaaaata 420  
 cagaaaaagt ccttactaca aagactactc 450

<210> 8921  
 <211> 440  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8921

atatcaaaa cctatattca atttttggat tatgcttaat gagttttgta tatttgacat 60  
 gtgaatcaag attctaatat atactttaga ttattattat tatatcatat cttatataat 120  
 atatggtgat tgcaatgaaa gtaaaaataa tatatctcga tcatcgtgtg atattggatt 180  
 tgggtgtacat gtgaggtatt gatatatata tatatatata tatatatata tatatatata 240  
 tatatatata tatatgtgtt tattatatat tggatatata aatagtagat tatttcctttc 300

acatatataa atgttatata aatatagatt aaatatgtga atgataagat gttaagggaa 360  
 tatttattag atgtaacata ctttgaatag cattgtagac gaaaactatc gtgtcaacat 420  
 cgctatataa attgatgacn 440

<210> 8922  
 <211> 449  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8922

ntctcaagag gattctntga gaagctagat ccttatctat ccacaccct ctattaacta 60  
 aattaacttc cttaaaaata attacggatg aaaataacgc aacaaataat caaacatcaa 120  
 acataattac taataatata tagatatata tatcaggggtg ttacagttat catctttggt 180  
 atcattaataa catctttgaa tcaactcttga ttcaccatga agctttgctt ctacactacc 240  
 aaatagaaca ttttttatca tcacaaagtt tatagcttat atattagttg aattattaag 300  
 ttcatatgtt tttcttcatt tcttcaaatt aatttgacat atgaggggtg acttatntaa 360  
 aaatcgtata aggaatttgg tccaaattcg gttagttgaa ataatttccc ctcatatatg 420  
 atatatacag gaaaactcag tagtaagaa 449

<210> 8923  
 <211> 407  
 <212> DNA  
 <213> Glycine max  
 <400> 8923

agcttagggtt ggaccgacaa tgcaccaaatt tacccaatct ccttcctatc taatctctaa 60  
 cccccaatcc agtttgctgc actgatgtca cccttattcc agttcctcaa atttatccac 120  
 ggtatcattc acttttcaat aatgtctatt atttactaca aatatgactg tctattagca 180  
 tatccactgt tctaagtatt gcataccact tcttagaaca tgcttaaact acctacgtat 240  
 gtaaatacta ttttattata tgcaccgagg caatagtcaa taatgcatgg aaaaacacaa 300  
 actgaaagag taaagaacaa ttctccaata taggagttgc tcagcgtgta aacactgata 360  
 tccataacaa ttctctttgc caaatactac atccacgtta actagtc 407

<210> 8924  
 <211> 371  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8924

ntgccatgtc ctttctagaa agcacatgca taacgaagtt cctcanatag tcatcatcan 60  
 acctagacct caatccgaaa cacacgacca tctgcagaaa catgacgact tcggcagcac 120  
 cactctctga ttcccatcc anatgtctct tacacgtttc cacaaccgca acggctctct 180  
 ccacgatctt tctagaatgt tcccttgact ctgacgaaac catcagcgcc tgtatcacia 240  
 gcccgcacgc ccacctctta tccgtcacc cggacttcgc caccttgctc ttcataaact 300  
 cctacactgc ctctaccacc agccgcgccg ggtccaccgc ttactccatc gccgccgcta 360  
 tctccgccg c 371

<210> 8925  
 <211> 393  
 <212> DNA  
 <213> Glycine max  
  
 <400> 8925

agcttacctt caattattgt gattcatggg atattgtcta attacacttc ttacttattc 60  
 atacaatact atgtttcaga tttatccata cacttggtat tatggataaa aataaatgaa 120  
 atacttttac actcaatctt attactataa aaatctctat tgaatctcac tattacattt 180  
 gattaccaca ttattataat taaaggatat ataagggagg aaatacttta taatgatcag 240  
 aggagggaaat aaggtgaaag gaaagaagat atagggatcat aatgtcatgc acaaccagt 300  
 tatctcttta taccatgtat aataatacat cagtctcttt ataccatgta caactagtag 360  
 atcaactatc ttatacattt gtcaggcct tta 393

<210> 8926  
 <211> 424  
 <212> DNA  
 <213> Glycine max  
  
 <400> 8926

tttgtagata atgttaatgc ttcacctgta ccgttgaatg tgttgatcagt gccatgggtg 60

ttcttaatgt ggggcataga tgtgattggg gctatcgagc ccatggcttc aaatgggcat 120  
 tgtttcatcc tagtccccat tgattacttc accaaatggg tggaagctgc ctcatatgct 180  
 aatgtgatta cgaatgtggt ggtagattc atcaacaagg agataatttg tagatatggg 240  
 ttgcctagaa aaataatcac cgataaact actaacttga aaaacaaaat gatgaaggag 300  
 atgtgtgggg atttcaagat ccaacaccat aattcgacac cttatcgacc caagatgaat 360  
 ggtgaagttg aggctgccaa taaaaatatc aagaagctca ttcacaatat gaggatgtca 420  
 taca 424

<210> 8927  
 <211> 340  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8927

gctgctacac agagaacaca caaaacatca ttacatagat agaaatatat ttacatcagg 60  
 tacctacagg gaagatccaa tagaggattt agctttccat agtccggaaa cttcttttac 120  
 aacacaaaga agaacaagat gaaagattgc aaaaatacaa gtggtgagga tgtctccttc 180  
 acctctaggg tctcacaatc actcaciaac tcattctcaag ctctcagaac ggcttccgct 240  
 tcgagctctc atctctgcag atcttcacac aacaaaatct ctcaaaactt tntggaactt 300  
 ggacctttct ctctctagaa ctctctaaac attcaaaagc 340

<210> 8928  
 <211> 428  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8928

gtgatggtgt cgagaagaaa tcacatgttt gtcacatca aaaaggggga gaatgtgaat 60  
 gtatgtatac atgattntga tgatgtcaaa aaagaatcta acaaggctgc ttcaaatgat 120  
 aagcatttgc ttcaagaata attcaagatt gttcaacaa acaaagcctt gtttcaagat 180  
 tcactaaaga ccaagccttg ccttaaaaca aagtgatctc aagacatgca aggctctggt 240  
 aatcgattac caggaagtgt aatcgattac cacaagacgg cgttgagaaa tagctgttga 300

aaaagggtttt gaatttgaat ttccaacatg taatcgatta ccatatgtct gtaatcgatt 360  
 accagcaacg aaactttgga aactcanatt caaaagtcac aaccctctca aatataactg 420  
 tgtaatcg 428

<210> 8929  
 <211> 349  
 <212> DNA  
 <213> Glycine max

<400> 8929

agcttgaggt tataagggtg ttggttgaca atgctcgaga atataacatt gtgcgataac 60  
 tattgtgttt caatggcgcc aacattgccca atcctcatat acatgctga gaatgagggga 120  
 atgtgataca ctataatcgt gaaccgtggg tgaggaatgg ttatttgaaa ttaaaagaga 180  
 ctcatattata gaatgttata ttaaataagc gttttaaaga aaattcaatg gctactgtca 240  
 atctttccag tgggcaggat gataacgtag gaggacaagg cttgcccac atcccttact 300  
 cacagatacc acactttctt ccaagggtac ctagaacatg ttaactttt 349

<210> 8930  
 <211> 369  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8930

ctaatagtag ggaaagagca cacaagatgc tattgtgaaa agagaaaaag ttatagaaga 60  
 cttgaggaga agaaaagaan atgagatagt tgtatgttta gacaactcgt acaattttca 120  
 aatgtttgaa aactccctcc aacagccata aacaactaac ttccaagctt atttaagtga 180  
 atcaatttga acgagcttgt tgcaacgaag gagggccaca aagagatggt ttggtcataa 240  
 gagttgagta gctcagaaaag atacctcata tatataaaaa aaacttctta gtcaaaacac 300  
 tctacgttag agctaaacct tgatgatcca nanacaagtg taaacacgtt catcagagga 360  
 gtcacaatg 369

<210> 8931  
 <211> 385  
 <212> DNA

<213> Glycine max  
 <400> 8931

agctgtacag cagatttttt aatgaccac tatectagaa ttaagataac tcaatgccat 60  
 taacctatgg aattaaaaca aacttaatgg ctgagtgtaa ctgatatagt aggaaccaat 120  
 atcacccctt acatectaca tgtcaaccac cattaggtct cccaaaaggc tgatgcctac 180  
 attgccaaat gggcccttat tacaacttga actgaagccc tattagttga ttaaccata 240  
 acatattttt ggtcagccaa ctttactagg attgggccat tattttgaca aacttaacac 300  
 tctaaaattg aaataaagag gtgtcattta gtctccata tgggccatga tacaactcac 360  
 aaccttgac tttgtcctt gaaac 385

<210> 8932  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8932

ntntagcaat tcagatgggc ataacgtttc actcggatgt ctgattcaag cgcataatat 60  
 atcgagacgc tcgagattga ataattggaag ctattgagca atcccaatgg atataacttt 120  
 taactctgaa gatcgataga tgcacatgat atattgagac gctcggaaat gaacaacgga 180  
 tgctctcgag aactcgaat ggtcataact tttaactcgg acgctgctt gagacgcatt 240  
 atatatcgtg acgctcta 258

<210> 8933  
 <211> 367  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8933

agctngagct tggttcaatc ccgtaatcca aggaatggaa attctgattg ccaatacttc 60  
 aacaacatct catagggatg aatgactcgg gcatacttta agctatgcat ggaaaatgta 120  
 attatgaaat tgagatgccc gaagaaacac catttcctag ttaaccatgc attaggtacc 180  
 atgttcaatt attttgtttt gttgttgtgt gcattttttt ttagaaatgg gtttatgac 240

ccaacatggt tggctcatgg tgcctaacac atgcaactaa gaatgtagtg tgaagttttc 300  
acgcttcccc tttttttggt ttggtttgta gaggaaaatt gcaggatgaa ccaacattga 360  
aaccaat 367

<210> 8934  
<211> 434  
<212> DNA  
<213> Glycine max

<400> 8934

ttgaaggggac aagtcgagag tggaaagtat gatattagag gacaagttga aggcttgtca 60  
aaggtcgaag aggagcttga ccgaatagtt gagaaggatg gaagagaaca tgtgggctat 120  
cattgaccag tataaagaga agctaaatct agcagctagc cataagtaaa ggctagagga 180  
cgagcattca aaagtatcga tcctacaagt agaaagggaa gcaagggaga gtgtgatata 240  
ttcattacac agagaagcta tgatgtggat ggataggttc gctttcactt tgaatggaag 300  
tcaagagctt ccaagactgt tagccaaagc caaggcaatg gcggacgtgt actcgactcc 360  
cgaggaagtt catgggctct tctgatattg tcagcatatg atcgagctga tgtcccatat 420  
aattacgaac tact 434

<210> 8935  
<211> 385  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8935

agctntaatg gagcttacat catgtggtat cattcacatc ttcatttagg tgatgttctt 60  
ttgcttcttc tatctttttg ttcggtgaat tatctttaat tccttggtct tcatcttatt 120  
ctccatgtac atcctccatt gtcttggtgt ttggtgttgt ttagagtaga ttaaaaaaaaa 180  
taaaccgatt aaatcttaaa tctacacttg ttcttgcatc tctatgggtc aaattttgta 240  
gatctactct tgaatcatat ttttgtgttg attntagctt ctatcatttt tcattcataa 300  
tattcttggt ctgaaccttt agatctanat tttcttctta aatattgatt agaaaaaaaaac 360  
acaaaaatct aagcggtaat cactt 385

<210> 8936  
 <211> 440  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8936  
  
 tcaagctttg agtagaacat gggaccactc atttatttan attttnannt tnaannmann 60  
 nnnnnngaaa tcatatctag tcaaggtctg agagaccata caagtttcct aacgatttct 120  
 aattatgtgg gccattaagt ctatcatatg ctgacaatag ccgagaagcc catgaatctc 180  
 ttcggggggcg gagtaggtgt ctgccatcgc cttggccttg gctaacaatc ggggaagtcc 240  
 ttgactcccg ttcaaggtaa gagcaaaccg atccatccac atgggtgcct cttggtgtaa 300  
 agagtcgatc acccttcctc tagcctcttt ttccgcatat acttgggcat actcatccgc 360  
 gattctatgc tcgtggggccg tggctagacc caactcttct tgggtacttg cgatgatagc 420  
 taacatgttg gtttctgtct 440

<210> 8937  
 <211> 334  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8937  
  
 agctttcaga aaatgtctat gccgagtgta taccattntt cttccatgtt tcagttgtac 60  
 gtagcttgtg ttttcttcat agatagggca atcacgatgt cctttaacac tatatccact 120  
 caaattccca tatgctcgaa agtcattaat ggtacaaaat agcattgcac gcaacttgaa 180  
 tgtctcattt cgatacccat caaatacaac aacctctcgc tcccacaact ttgtcaagtc 240  
 ttcaatcaag ggactgagat aaacatcaat gtcatttcct gggtgtctta ggcttgatat 300  
 catcatagaa cacataatgt attttctcta catg 334

<210> 8938  
 <211> 437  
 <212> DNA  
 <213> Glycine max  
  
 <400> 8938  
  
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gttcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc 120  
tcacccccat gagaaaaaac atgaaaatac aaaaaaaaaa gtcgttacta caaagactac 180  
tcaaaatgcc ccgaaatata aggctaaaac cctatactac tagaatttcc aaaatacaag 240  
gccccaaacga agagaaaacc tattctaata ttacaaaaga agagtggatc caaccttgaa 300  
ccatggactc aaaaatctac cctaagggtc atgagaaccc tagggccttc tttagtagct 360  
ctagcccaag cctcttgag tcttctatct aataccctcg cggggtagga atgcatcatc 420  
ccctccacct tggaaag 437

<210> 8939  
<211> 248  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8939

ttctttaaat tagctgttga agcagtattn tgtacagttc acacacgcac acacacatgg 60  
tagcaaggac tccattgcac ttgaagaagt taagtccaat ctctattcta gagagctttg 120  
actaaaggca tttgggaatg gtgatgaagc ctttatgggt ggattattgg tgacaaattc 180  
tgcttaagga tagaagaata ataaaggaat aggtggcaag aagaggaaaa atgaccta 240  
gacatctg 248

<210> 8940  
<211> 377  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8940

tagctcttct ttgcttatct tatgagtgag ctatgacaaa ctctagcacc acttcttcaa 60  
ggataggctt acgatctatg ttcacatggt tggccttttc acattccttt agagattcca 120  
gaacaaaatc ttctacaatg tcttcaaatt ccttcgctgt taaggccaca aatcttacat 180  
cctcaactac gtttgtttta tgtnttttag cagataaagc cttccagaaa ctatgatgac 240  
ttgttctatt tttgaagctt actatctttc caaggtctga tcaagttttt ctttctctct 300  
tgatttagcc aagggtattc tattagcctt tccaaggca acaacttcct ttacttatt 360

gggggtgaaa ctggttt

377

<210> 8941  
<211> 108  
<212> DNA  
<213> Glycine max

<400> 8941

attcttatga ttgcctatgc gtggaccctc aagtgaatc ctccattctt ccctctattc 60

cgagcccat gaatgtcatt gcctactgct ggtcatgtgt cctccacc 108

<210> 8942  
<211> 412  
<212> DNA  
<213> Glycine max

<400> 8942

tcggaagaaa gtgatgaggt acaagcccta aaggcagagc ttgaaagagc ctgcgtagtc 60

gaagagaagt tcaagtccat agccatcaaa gtctgaaaag agtatgatga actaagggat 120

gtcaatatgg ccaccgatga agccttgga tgagaaacca agaaggcccg aaaggaagaa 180

cacgacaaa gcaaagtttt gaggggcttt atagggcagc aatagtgagc tcaagttccg 240

aagaggtgaa aggaatcatc acgggtcaaa ggcattgatc tgaaggacga gctaaaggct 300

tgctttatgt cgaaaagaaa tttgtcccaa cagctaagcg agactgaagg gaatatgtgg 360

gccatcatcg ataagagcaa agagaagcta aatctagcgg cgactcacga gc 412

<210> 8943  
<211> 103  
<212> DNA  
<213> Glycine max

<400> 8943

ataagtttaa gaatatacag catatagttg gccatgata tattacttta atgtataagc 60

tgctctcttt tcatgatagg ttagcacact gcacacatct ttt 103

<210> 8944  
<211> 475  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8944

caagcttggt ggagtagaaa catgggacca actcattnta tttcaaaatt gatagtcgta 60  
tctagtcaag gtctgagaga ccatacaagt ttcctaata tttctaatta tgtgggcat 120  
taagtctatc atatgctgac aatagccgag aagcccatga atctcttcgg gggcggagta 180  
gggtgtctgtc atcgcttggt ccttggtctaa caatcgggga agttcttgac tctcgttcaa 240  
ggtaagagca aaccgatcca tccacatggt tgcctcttgg tgtaaagagt cgatcacctt 300  
tctctagcc tctttttccg cgtatacttg agcatactca tccgcgattc tatgctcgtg 360  
ggccatggct agacctaact cttcttggtta cttggcgatg atagctagca tgttggctctc 420  
cgtctcgcat aaatgctgag acaagcttct tttggacctt gaaacaagca ataac 475

<210> 8945  
<211> 454  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8945

gtcctaaatg acatttcaag ctaatattaa ctctctttta cctccattta ccacagaatt 60  
cagacttaac ctcatcttaa atttcacttt aacctccatt taccacagaa ttcctacaag 120  
tcccaaatca tgtatcaatc atgtctaacc caaaatcaag cttcaaaaaca caccaacaca 180  
gaatctaggt gtccaaaacc cctcaattca atgggttttc taggtttgaa aagtgaatt 240  
tataatgagg taaatttgaa gcaaactctc acctcacaca agtccataac atcaatctaa 300  
actcgtcaa actgaattta cacctaaaat tcaaccgaat caaaatttga ctctccaca 360  
cccaattntg ccctagaaat ggctctntgt tcaatttgat cattcgttct tctctctagc 420  
acagtccaag ctttctccca agttctaaat gaca 454

<210> 8946  
<211> 345  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8946

tattgagana acttcctga gaagctaaag cttaactaca cttatccct ctaattgcta 60  
agctcacctc cttgagaagc tntattgaga agctagagct tagctacaca caccctcta 120  
ataactaagc tcacctcctt gagaaggctt ctcgagaagc tagagcttag ctacacacac 180  
ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc tacacacccc 240  
ctataatagc cactgaatgt cgcgcttagc gaatgctcgc taagccagca gattggctta 300  
gtgagaaggt gagaataaca cttttgcaat ttggctaatt aacct 345

<210> 8947  
<211> 189  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8947

agctttcaac aagagtcttc acaaataact attatgaagc agaaaactaa caaagctacc 60  
catcatatct cccaaaaccc catacccacg aaaatcaagg gagaaagaag tccacccaaa 120  
cctgaaatth cgaagtccca ctcgtagaca cgcacttnac gaccccgaaa atgctctcct 180  
tccacgatt 189

<210> 8948  
<211> 414  
<212> DNA  
<213> Glycine max  
<400> 8948

actttgtcca gacaatgtta gagagactag tgcatatgca ctgaaagtgt accgcatgt 60  
tatacattaa atcaatcata tgctgacatt atcgcgagaa gcccatgaat ctcttcgggg 120  
gcggagtagg tgtctgtcat cgccttgcc ttggctaaca atcggggaag ttcttgactc 180  
tcgttcaagg taagagcaaa ccgatccatc cacatgggtg cctcttggtg aaagagtcga 240  
tcacccttcc tctagcctct ttttcgcgt atacttgagc atactcatcc gcgattctat 300  
gctcgtgggc catggctaga cctaactctt cttggacttg gcgatgatag ctagcatgtt 360  
ggtctccgtc tcgcataaat gctgagacaa gctctcttg gaccttgaac aagc 414

<210> 8949  
<211> 287

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8949

tgatcttgat tcttgctaag ttctgtaact agcttagaac aatttacttg gccttctctt 60  
aattgtctnt gggcttggcg accacgatca acacagtact ttcggcacct actatatgtt 120  
gacttgacca acgctgctat tgtaacgctg cgacaatctt tcaacacctt attgacacaa 180  
tctgcgaggc cggatgccct ccattcatag ggttttctac gtttgaaaag tgacattcac 240  
aatgactgtt atttgaagct aactctcacc tcacacacgt ccataac 287

<210> 8950  
<211> 450  
<212> DNA  
<213> Glycine max

<400> 8950

agcttctata taagctgata tcattctatc aatttataca agttgagagt tatggactga 60  
gagaccatac aagtttcta atgatttcta attatgcggg ccattaagtc tatcatatgc 120  
tgacaatagc cgagaagccc atgaatctct tcgggggagg agtaggtgtc tgtcatcgcc 180  
ttggccttgg ctaacaatcg gggaagttct tgactctcgt tcaaggtaag agcaaaccga 240  
tccatccaca tgggtgcctc ttggtgtaaa gagtcgatca cccttctctc agcctctttt 300  
tccgcgtata cttgagcata ctcatccgag attctatgct cgcgggccat ggctagacct 360  
aactcttctt ggtacttggc gatgatagct agcatgttgg tctccgtctc gcatatatgc 420  
tgagacaagc tcttggtgac cttgaacaag 450

<210> 8951  
<211> 442  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8951

ttaggcanat tcaaacgaca ataactttnt actcggatgt cttattgagc gtagtacaaa 60  
atcaagacgc tggtaaatga aagtttaacc tacatctacc acagaattcc tacaagtccc 120  
aatcatgtg tcaatcatgt ctaacccaaa atcaagcttc aaaacacacc aacacagaat 180

ctaggcgccc aaaaccctc aactcaatgg gttttctagg tttgaacagc gaaatttata 240  
 atgaggtaaa tttgaagcaa actctcacct cacacaagtc cataacatca atctaaactc 300  
 gctcacactg aatttacacc taaaatacaa ccgaatcaca cattgactcc tctacaccca 360  
 actttgccct agaaatggct ctttggtcac ttggatcatt cgtcttcttt tagcacaagc 420  
 cacgctttct ccagtccta at 442

<210> 8952  
 <211> 63  
 <212> DNA  
 <213> Glycine max

<400> 8952  
 agcttttctt tctcaatcat acctatttac tgactatata actctaattg taagttcaca 60  
 ttc 63

<210> 8953  
 <211> 73  
 <212> DNA  
 <213> Glycine max

<400> 8953  
 gatctctcta tgggttgatg caatctctct cgtgcttggt tgtgtaaatt agtcacgtg 60  
 ctcaaagtgt tgt 73

<210> 8954  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8954

ncctgttctt ttannnnncg aggannagcc nncaaagann cctcataac cacccttaat 60  
 tctccctgtn agaagcatcc tatcaccggt tagatctggt gacgtcgctg tggcatcacc 120  
 aattaaatct tacccaacag tgcgacacac actcactgaa tggcagacct ctattttaac 180  
 ttagaccagg ctctattaaa ccataaaatc ttcccgcctc ggggtacacc tgtattggca 240  
 aaccccccaa gggaaatagt cattccctta ttacttttac aatctgggtg aactggggcg 300

taaccctaac gtcattccca gtgggagaga tgactagcat tttaatccga .cgggggggat 360  
gaatttgaat ccggcagaaa ccctctttta atttcgaaaa tctacttctt cccctaaatc 420  
tggttgcaaa acgt 434

<210> 8955  
<211> 259  
<212> DNA  
<213> Glycine max

<400> 8955

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tagacaagaa agatctcata cattgtgctc tatcacaact atgccagttg aacaacctct 120  
tgatggcgtg gcacatgcag cacgtgctca cgctcaatat caccaccgcg ctgtccgacg 180  
ccagcctctc tatgcgctcc agcgggtccc ccactaccgc cgccgccgcg ttcccagggg 240  
ccgtcacgta tcttcccat 259

<210> 8956  
<211> 92  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8956

agcttatata tcaaagattc gacaatttaa aagttgttgg ctactcagac tcagattntg 60  
ctggttgtgt tgaccttccc acgtccccac ct 92

<210> 8957  
<211> 262  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8957

tgtggcctc ctactcatca aggccactac cctctatagc atacaacctc cctcgacact 60  
agacaacctc tttcgctcgc aagacggctc agagcttggg gggattatat actatatagg 120  
gtccacaaaa tacacgtggc aagttatgtg gcactccaat agacatatca gccctctatg 180  
tcagctctag cacagaaaca cgaatgctca aaccttagta gccaggctat taactgacag 240

gntatctcta accactttat ta

262

<210> 8958  
<211> 402  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8958

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atttagatta ttaacttatt gtaatttaat ttatnttggg gtgaaatggc actatgacat 120  
aaccatggaa ctcatccac ttccttcaaa cttctatccc tctttctttt ctttttttga 180  
aacttctcct ttgtgggtga gtttgatcta tgttttttct catatctatc ccaagtcaca 240  
ggtaagttag tttttccact cactactaaa aaatatacat ttaacatcgg caggttaaca 300  
tcggtttccg aanaaaccga tgtaacaaa agcacggtgg cataacttga ataagattag 360  
tttattaacc atcggtttat acaaaaccga tgtaacacaa at 402

<210> 8959  
<211> 336  
<212> DNA  
<213> Glycine max  
  
<400> 8959

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cacgaatctt ataccaatg ggttattgat aggaccaaga gctttggcct accctaccgc 120  
ttacctagat acctatcgtc caccatccca ccatcatcct tgcctatccc cttcgacacc 180  
aaggaagagt ttcatgaaca attaaccaaa gaaaggcaag aaaaagaaac ttggaagagg 240  
agatgccagg agctcgagca agagaatgag actttgaaag ggaagatagc ccaacagagc 300  
cgtgagcttt ttatccagaa ccagaggatg atcgag 336

<210> 8960  
<211> 391  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 8960

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ggactgaacc accaacttgt ttgtcaagat cctcaaacca agacttggtt ggagtcatat 120  
gaaatgaaca cccagagtcc aagatctatt tgtctcagtg ttcttatgag acaccattaa 180  
agcctcagct gaatcataac catcttcaac tagagtagca tttccagggt ctttagatcg 240  
atcttgcttg tttcctttct gtctattagg acagaatctt cgagtatggc cttctctntt 300  
acagtggtaa catctaattg ttagtacatt agatccaaat cgagtttggtg acttggatct 360  
tttcccttct gtcttatcat ccttcttgga t 391

<210> 8961  
<211> 463  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8961

agcttcttct tcagactntg tgaacagtgt cttgttattt atcgaanaat catccattgc 60  
atcaatgctt gaagaacctg ctatgtgttg gggaatattg gggggtttct tccaaagggtg 120  
atttcatagg gggaaagtct ggtgcttgaa tgaattgata tggtatagga ccattcggtc 180  
tatatcaaaa acttacccca ggacaacggg cgatggtgaa cggaggctcg taagtactgt 240  
tcgacaactc gatttagcat tttcgtctgt ggatgatagg cagagctcat acaaaagttt 300  
gtgtcgctga gttggaacaa ttcttgccaa aagtggctga tgaacaatgg gtctcgatag 360  
tagaccaagc tatgaggcat tccatgaatt ttcccaacaa tgtccatgaa aaggattgca 420  
atagtgtgag tcgtgaagtg tgacttgagc ttggccagggt gga 463

<210> 8962  
<211> 437  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8962

agcttgtatt ccaatattta taatcatntt gagagtttag cagctgtttc acccaacaga 60  
taataaagat tgatgattaa caatcttgac ttttctacn aaanaaaaag aaaaagaaag 120  
agaacaaagg agttgttgca ttnttttaat tttcaagaac ttcttgacca acaatgaaac 180

[illegible]

<400> 8963

<210>	8964
<211>	450
<212>	DNA
<213>	Glycine max

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tgagggttaga	ctcatttcca	aagtcctttt	aaccaaagca	tcaactacac	cattatgctc	120
cctaacaatt	aggactaaga	atgaattgaa	tcaattcgaa	cataatttga	gatttgattt	180
gatatttgac	tcattgagct	tggttcatga	accaaagag	ttaaatttaa	atttaaagtt	240
gagctcatta	aacaaataag	ataaacttaa	gtcatataac	ttgattcgat	tgattcatga	300
accaacttga	tatataaatc	tatctattat	tatatctaga	ttagatatac	ctatctatta	360
atctatacat	atatntaaat	atztatatta	ttgaattcct	ataatgaatt	ttagttaatt	420
taatactatt	tttgcattaa	atgaataaat				450

<210> 8965  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8965

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 ttgaaaataa aatgtatcaa aagcagaaga aataaatcca aatcctatca tggctcgtcc 120  
 tgtgtcgcctt ggggctcatc cagaggtgag gagggagcat cctangctgg ctgaggaata 180  
 tcctgagctg taacaagcca tgggtcccag gtgctctttg ttgcggtcac atcagctgca 240  
 taatccgcat cagcagcgcc atccacctcc aaaatagggtg aagtaactgg tgaagcctgt 300  
 ggagtagcca ctggagtggc ctctagaact a 331

<210> 8966  
 <211> 348  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8966

agctnggaga ggatgcttca atggaggaaa agaagtaggg agtgaaagag agagggggga 60  
 gcacgaaatt gaatgaagaa taaggcacag aagttgaact gtgagttgtg tctcacaaga 120  
 ctctcattca tcaaagttac aacaagtgtt acacatactt ctatttatag actaggtagc 180  
 ttccttgaga agctttcttg agataacttc cttgagaagc ttctttgaga aaactttctt 240  
 gagaagctag agcttagcta cacacacccc tctcataact aagctcacct ccttgagaag 300  
 ctttcttaag aagagtccta aagaagctag agtttagctt cacataacc 348

<210> 8967  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8967

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ctaaaccgaa ttccttacgg caatgtgaac gctaagcgag tccttatcag ctaagcgcat 180  
 gtcctctgt acttaagatg catcattnta gctaagccag ccattgcctt gcttagcgag 240  
 agttgncaac tttctgac tacaacctc gctaggcagt cttatcctag cgctaagcca 300  
 agcatgtgtt gttaaaaaaa ctga 324

<210> 8968  
 <211> 386  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8968

agcttataag gtttgttgcc agcagcattg aatgattcaa tgaactccac attgtccttg 60  
 aatatctgga aacgttnttc cttctctgca gcacccctat atatttttcc atattctgcc 120  
 atccaatttt catgtctttc tcgcaaggct gtttgatgca gcttgcgng catcacttg 180  
 gaaatcccaa ctgcaaggaa aaggaatagg gctaacatgt gttgctnttg gccagtga 240  
 gccatttctt aattatcagc aatgatcagt tttgtaagaa aaggcttagt tggatatatt 300  
 gtgtaaagag agaaatgtga attggtatgc attgaaatga atgaatctgg agggttatat 360  
 agagatcata gtaccttatg ctatgg 386

<210> 8969  
 <211> 380  
 <212> DNA  
 <213> Glycine max

<400> 8969

agcttctagt tgtgcctata ttgcgctctt tttctgagca gcaaagtctg gtctttgcac 60  
 catctccatc tgggtttcgg aaggtaacct cgctatgcat ttgatgtctc taattaatat 120  
 atgttgtgga tagaattcaa tgtaaaatag ggaaataagt tttagttaat tatttgtaaa 180  
 actgttttta tttattttaa gcatttgccg tgccttgtct tggctcttat tcattctttt 240  
 gaaaaacctt gttttatctg atcatgtcta caaatttgaa taaatattgg tcgtgttatt 300  
 ttgagtgccg gtaggggttat gacatatgga ctcgatttta tattgcttaa ttttaaatat 360  
 gcaaacgtca tcgcttgaag 380

<210> 8970  
 <211> 437  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8970

agcttggtnt gatattcatt caaactatnt tgaattagat cctatataat ggctggaaat 60  
 taccaaacct ttgcaaaagt tgcttctata aaccaacccc ctctttttac tagagaaaat 120  
 tatecttttt agaaagtccg cacaagaatt ttccttgatt cattgataga ggagtatagg 180  
 atgccattgt aaatgatttc tatgttccta agcaagttgg tgatggaaaa aaggtagaaa 240  
 aagattttat tcatggacat caaaagaaaa tagtcaagct caatataatt ntagagccta 300  
 aaatattctt tccttcgctt taacactnga tgagttntat gattattctc aatgtgtaga 360  
 tgccatagaa aattgggaaa tcttagaagt gactcgtcaa ggtactaaga aagtcaagag 420  
 ggcaagagag aacactc 437

<210> 8971  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8971

agcttcacca ccaagagtat cttggataag aagcttagag aggaagtttc aatagaggaa 60  
 gagaatgaca gagagagagg ggggcgtggg aattgaagg gttagggaga aaagntgaac 120  
 tttgaagtgt gtctcacaag tttctcattt atcaaagtta tgacaagtgt tacacatgtt 180  
 tctatatata gcttagcaca tatgaagctt ccttgagaag caaggaaggt agctttcttg 240  
 ggaagctaga ggaagatagc tttcttgaaa agctagagg 279

<210> 8972  
 <211> 375  
 <212> DNA  
 <213> Glycine max

<400> 8972

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 attgacaaag atgttgacaa aaaacccaaa gaatgatttc aagattaaat caagatcaaa 120

ttcaagaatc aagagaagtt tgatttcaag attcaagaaa agatgaattc aagttccaag 180  
agaagaaatc aagaagactt cacaatggga agtattgaaa agatttttta aaaaacaaac 240  
atagcacaat tttgtttttc acaagagttt tcacaaaatt ttctatgtta ccagagtttt 300  
tactctctag taatcgatta ccagtttctt gtaatcgatt actagtggca aagtttgatt 360  
ccaaagctct aactg 375

<210> 8973  
<211> 435  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8973

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atgatgtaga agaaaatgaa tgtgagcctt tctccccttt gaaagacttg taaaaaaaaat 120  
gtnttaaaaa tactcttaat taatatttga agttttttcc ttattagtat atatgtgagg 180  
ggtagagggt gtcacagatc ccctgactgt gtcggagtca taaacggatg tgaaatcatg 240  
tagaaccact ccatgtaatc tgatgaacat tggccagcca ctacacaaat tttccctaca 300  
ggtgcaatat agtcaccgaa ctgcatccat ctagcatcca tttcttcaac ataagctgaa 360  
ggcgtgcag gatgtggcga aatgggtctgg atgtnacca actatcatat aaccctcttc 420  
ggtcagtgaa tgacc 435

<210> 8974  
<211> 462  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8974

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aacgcaacac agtcactcag caggcaaccc tcacttagtg caaagaagtc acatgaagaa 120  
cttgatattt gaaggcatgc ttagcgtgag tcacgcacta agtgtgtgac catcgactca 180  
ctcgcttagc acagtagtcg cgcgtagcac aagggttgcac aaaatttaag ccgacttcac 240  
ctataaaaag aggaggaagg aaaggaaaag gacacaatga atatccatga tattaagtt 300

tcccatagaa agcaaaagct aggattcatg caggataagt gaaaccaacc tttaggagtc 360  
gntccttccc ttcattcttca ttcttctcta accttcttca cttccattat cctcttgcaa 420  
ttgtaagcct ctcatgacaa tgagagacta aaccttccat tg 462

<210> 8975  
<211> 450  
<212> DNA  
<213> Glycine max

<400> 8975

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agtccttccat caagaacctg gagatacaag tgggacaatt agccaaacaa atggctgaaa 120  
gaccactag cagctttaga gccaacatag agaagaacac gaaggaggaa tgcagggcag 180  
tggtgactaa aagccagagg aaagcgcaag gagaagaaaa gaaagatgaa ggatactagt 240  
ctaaggaaga aagggtagac aaagaagaaa agaaggagga agaagagaaa gaaaaagaaa 300  
agaaggtctt aacctctaag accaaaagct agctagcccg agaggctggg aaaaaagagc 360  
caccagcccc tctaaaggat tcccatatc ctttagtgcc gtcaaagaag aatatggagc 420  
gctacttcaa gcgtttcttg gagatattca 450

<210> 8976  
<211> 185  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8976

atttcttgga tgatatctcg cggcgtcata ttgattgtcg gacatcatac tgctggggtt 60  
ggaaacaaaa acctaattggc catttgtcta ccaggagcac atactgtatg cttctataag 120  
gagcagccga tcagactgtg gatgaggctt tagaggacct atggcagctt anaatccctt 180  
taaac 185

<210> 8977  
<211> 192  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8977

agcttatgga tggaaacttt acttggttgg gatgatcaaa agcgcanaac ggaatcaaaa 60  
aatgcgaata aggatgaccc tacggctgca aactcgtcaa tcccgtgggt atggctttng 120  
aaaggaggan aagaagtttt tgaatgtaaa aacgcccccc ttctgctcatt cttataattt 180  
ggtgcagggg tg 192

<210> 8978  
<211> 402  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8978

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ataaagggtgt ctattttata tatcactaat gtccataaat tagggatgtt aactgcgga 120  
caaaaaagta tattaataag aaaaaatgat tgataaatag ttatatgaaa tggtaaaaaa 180  
attactatga atatattcac attaaagtat caaatcctt gaaaggaaaa ttcaagttat 240  
ataaatgatt tcttttaata ttatagttaa aactcccgtg cattgcacgg gttttaatta 300  
agttcttgaa ctttttttaa aaaaaatfff cctgaacat aaaaattaat tcataatttc 360  
ttaaaaatat ataacaaaat nttaagcaaa ccacaaatta ac 402

<210> 8979  
<211> 405  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8979

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aacagatgcc ttaggccaag gaattggtgt tgttttgtct cagaatggcc atccaattgc 120  
ttttttcttt aagaagcttt cttctcgtat gcagaagcaa tcagcttatg ttcgtgagtt 180  
gtatgcaatt actgaagcag tggctaagtt ttgtcattac ctttttggtc attattccat 240  
tatctggaca gaccaacgta gtctcaagca cattacggac canatcattc aaacaccaga 300  
gcaagagtcc ttgttaccta agcttcttga cttcaacttc tcgattgagt ataaacctgg 360

accactaat ncaagtgtg atgctntatc atggtctttc tatat

405

<210> 8980  
<211> 396  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8980

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ccctaatttc gtccggcgac ctttgcttga tgacatgcga cttttctttg gtccttgtga 120  
ggtgcttgac acccatcatt aagcagtttg tgaaattcca ggacatgccg aanaaaccaa 180  
aaaatattga tgcacaatcc gtaagtntcc gtgacacacc ggaaatcaaa tggaagcatc 240  
gttgcataat taagtgaggt tccgtaagta aaaaggggat gattatgtaa tccgcaaggt 300  
tccgtaacat tacggaaaga aaacaagtat cgctacgaaa attcgtaagt tccgtaactt 360  
tacgaaaaaa agaatcacca aataaaagca gagggg 396

<210> 8981  
<211> 443  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8981

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acgcgtctan aaatcacaaat ttgttaactc aggaagaacc ntttgctaatt tctcctcatt 120  
tttcggtnaa attgcnacct ccatacaatc attctgaaaa caaaaccctc caatcattct 180  
aacatccatc taaataaaaa atatttcgcc caaaccagaa cccaaaccgc cntcaatttc 240  
aagcttcaac cgaaaaaaca aacaacacaa acaatataca catttgggat ccacaagttc 300  
cacactntct atntaccaat gtactaataa ttaaataatta atccactcag ttacactact 360  
aaaagctggg gatagaatac acctacactc gctatgttac aaaanaagtt ttcncaaacc 420  
agcacgctac actacacacg gac 443

<210> 8982  
<211> 411

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8982  
  
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 acagtgtaat cgattaccag aagacaattt tgaaaaacag cttttaacaa gggttttaaa 120  
 tttgaatttt gaatcatgta atcgattacc agatgtttgt aatcgattac tagcaatgac 180  
 acttcataaa atactttgaa aagtcatgac ccttcaaaat ataactgtgt aattgattac 240  
 cagaaaccta taatcgatta ccagtgaaaa atttcagaaa aaagtttttg aaaagataca 300  
 tctcttcaaa tcattttgaa aagacacaat gggcctatat atanggtgtg ttgactntat 360  
 aaagtaaaga gagaattcta gagaacttaa ttgtcaattc tccaacaact c 411

<210> 8983  
 <211> 354  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 8983  
  
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 ggatgccccca cattatttcc atgacacaaa tgcaaaaatg atgatttgga aattttatgc 120  
 aaaactgggc atgcatgcac ctatgtggac gctcaagtgt caaattttta tggatcatctg 180  
 atgctagggc tcaagattca tttcctctat tttaaataca cccaatgttt ccaaaatatg 240  
 ttcttttatc aaattgtgca ttcattccgag tccatttcgg gcgtccggga aaattttcac 300  
 agcattcacc cttcaggtgt acacacacat tntccaaaaa ttatgtgaat tttt 354

<210> 8984  
 <211> 355  
 <212> DNA  
 <213> Glycine max  
  
 <400> 8984  
  
 agcttgaggg taaactttat cccttagtca acctattaac tcaacttgcc atgaatcaga 60  
 aatctacacc tgttgcaaga gtctgtgggc tatgttcttc tgcagatcac catacagatc 120  
 tctgtccttc tttgcagcaa tctagagtca atgagaaacc tgaagcttat gctgcaaaca 180

tttataatag acctcctcag tagcaaaacc aacaacagta gaataattat gaccttccaa 240  
gcaacagata caatccaggt tggaggaatc atccaaatct gagatggaca agtcctccac 300  
aacaacatca gtctgtcctt ttctttcaga atgttgctgg tccaagcaag cctta 355

<210> 8985  
<211> 441  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 8985

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gagcttgtgt ctatacaatt catggccttc atcatgttct gagttataca aatcattcta 120  
gaattcagag atttatgcaa agatcattat tcacagttag tcgttcaactc acagagtaag 180  
gtcacacttt caccggtttt tggttcaagc ttttctttca caatcaatct gtctagtgc 240  
taaccattct attataagtt cacactcttg ttctttcttt gttcaacatg cacatttgct 300  
caaattcatg aaaggaaaca cacatttcat cataagcacc tattcattta aaacaaggca 360  
tacaaccatt ttcccaaata aataaactac ttcactgcc aaccatcaaa agttaagtta 420  
aactgttcac gatgcttcaa g 441

<210> 8986  
<211> 269  
<212> DNA  
<213> Glycine max  
<400> 8986

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gaatccaact tggaaagggg acataacgcc acgcataagt agtcttatcc tgttgccatt 120  
attctactag aattttctaa cttgtgttcc acaaagagat gagatgacaa tgggacacca 180  
attcacgttt atcaattttt ggcataaggc aaatattctg accattaaca ctcccagctt 240  
ctccaggatg tcttcataaa tgcttgatg 269

<210> 8987  
<211> 422  
<212> DNA

<213> Glycine max

<400> 8987

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agtagaatag gggtagctgg gagggaaacc ttgcaacgat tcaaggtgtc cttggtcgaa 120  
taagggtact cgagagagaa accttttagc gattcaaggt acacccttgg acgaatatgg 180  
atattcgga ggaaccttac aataattcaa ggtgcatcct tagccgaata aggtatttta 240  
cgagggaaac cttgcaatga ttcaagttgc tccttagtcg aataggggta ttcgggaagg 300  
aaaccttgca atattctgag gtgcatcctt actcgatagg ggtgggtatt cgggagggaa 360  
ccttgcacga gtcaggtgca tcattttcga ataggggtatt cggagcgaaa cttgcacaat 420  
ta 422

<210> 8988

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8988

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aggaaggaag aatcaaaagt catccaagca atgttttcca ttgctaactc gccttgtgga 120  
ttgtagcaaa catttgtgga gagggcaaagg taatgacaat gggagtactt tatcaccttc 180  
acctgtccca aaaccaccta agtctaacct tccaaagctc gagacaccaa aagctcaacc 240  
acctccaacc ccaaagggtg agccacctcc aacaccaaag gttgtacatt caaccaccac 300  
ccccgtgtnc tcaccaccac caccaatcca ctccccacca ccaccaatcc ac 352

<210> 8989

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8989

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gtacgattta ggcccatggt atatggagac actcgaaatt gaaaaatgaa aggtctcaac 120

atattcaaat ggtcataact ttctactcaa atgtcagatg caggtatata atatatagag 180  
atgctcgaaa ttgaacacgg aagctctgct ccaattcaaa ctgatatgaa ccctcatgga 240  
acaagggctg acttaggatc gtctaggatt aaaccttgat ggaaaatgcg gaaattgatt 300  
aacgtaagga tggaacataa ggtgggtaat ttcgtgggtc ttaatcacgt ggctcttggc 360  
ataaaatgga tgaatgggat gggtaaattgt a 391

<210> 8990  
<211> 327  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 8990

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gccctggcaa ttaacaacct tgaataagca ttgtgaattc catcctgcgt atataagtgt 120  
ggtgtttgtt cccaacata agcatgctac atttcgatcc ttgcattttg tagttcttct 180  
catcgaatgt ttcttttccc tcaatatatt ggcattgttt cttttaaatg tggcatatc 240  
cttctttctc ttcttntgct tgtagaaaac aagagtatgc tttgaagggt catcggcatt 300  
tgtaattgta gatcctgaat ggcagtgt 327

<210> 8991  
<211> 297  
<212> DNA  
<213> Glycine max

<400> 8991

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tacaacagca gggtcaggca tagcagcagc aagaggagga ccagcagcag ccaaccgcag 120  
atgtgccgcc accacttcta ctgcagccac catctctaga gtccatcttt gtcacctgc 180  
gaaggatgga gctctaaatg catgcatata tgtagcatgt gactaaccaa caagcggcta 240  
atcatagggg tcagggtgcag ctaaatagaga gcttctacca gtacacccta caccagc 297

<210> 8992  
<211> 351  
<212> DNA  
<213> Glycine max

<400> 8992

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ggtgattttc caccatggag atgcagcgga agacaaagga aaataggtga gaggaggcgc 120  
catccattaa ggaataagcc atggaagaag gagcttcacc accaagatga gccttgata 180  
agaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagagggg 240  
ggagcacgaa attgaaggaa taaaagaggt atagaagtgg aactttgaag tatgtctcac 300  
aagactctca ttcacaaag ttacaacaag tgttacacat gcttctattt a 351

<210> 8993

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8993

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ccgcaggcct cgcgtcgacg agaaccctaa ggactatgcc aatcgctctg ccattcagtg 120  
gcacgtgtgc tccgtttatc ctcagaaatt gtgagacctt gtcaccaaac acgttggtcc 180  
cgggtcagcc cactctctca ttactcgcc gctttatcaa ttaaccaatt gtcgtattgc 240  
accttactga tgctgtggc cttttgcagt tcaatgctgt acgtggaggg gaacctcgag 300  
accaaagct tcaccgatcc gataaccggc attgcccgcc gaattcgaga aattgctggt 360  
cgacgaaatg gtaactcttc aatcaactct tgttgtataa atgacttt 408

<210> 8994

<211> 203

<212> DNA

<213> Glycine max

<400> 8994

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tcaaggaagt tgtctcaaag atgcttctca aggagggtgt ctttaagaaag ctgctcaagg 120  
agacctccta cactattaat agaagcatgt gtaacacttg ttgtaacttt gatgaatgag 180  
agccttgtga gacatacttc aaa 203

<210> 8995  
 <211> 412  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8995

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 gcacaacaag ttttccacat ccacaaagcg cgcataaacc caccattccc tggtggccac 120  
 ctccaactga gctcacgtac tcccacgtag ccataacct cgtttctctc aacaccgggt 180  
 ccccatcaat cctcccaagc ttccccaaca tcaaagtaaa tcaacattca aacagcacia 240  
 attaccacag ccaagaaaac agggcaaagg cagaaaactc tgcccaaaac accaaccaaa 300  
 atcacagctt ttctcactta aagaccccag taacaatttc ttcgatccaa ttcgttaacc 360  
 ggtggagtcg actccaaatt ttactggaag tctatagtac ataagcctac at 412

<210> 8996  
 <211> 361  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8996

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 ttcccgaat aggcactgtg gtgtgctctg gaatttgtgc aaatcatccg cttgccctaa 120  
 ttctgcacia aacaagcttt aaatagcctc tgaatttgcg acgttgcgct tagtgtgagt 180  
 aagtgggttt gggcttaacg ccagtcttgc gctgagcctg gctgaagaca cctgttgtgc 240  
 ttatcgact gatctacgc ttagcatgtg accttgatat tgatgtcttg ctagattctt 300  
 ctatcgcgct cagcgcgttg aagctgcgct taacggtgga tgcgtgctta gcctactgat 360  
 g 361

<210> 8997  
 <211> 425  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 8997

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 atcagaaaac tgacattcac agctccattg agttaaata aatgtcttac aatgcataaa 120  
 agacaagttc caattaagac atggtggaaa ggagcagccc ctgtggggg ctcaatttac 180  
 ctaaacaatt acatagagaa agaaatctaa gtaacacact ctttttaaga taatctctat 240  
 cgttatataa atcttatgtg aatgcactaa aatattgggc tctctatcta ataaaaacac 300  
 acatgaataa tagtgtgtgt gtgtgtgtgt cacagagagt attattaaca atgattcaat 360  
 gatagtgata aatcataata natcaagtgt atgtcagagc atggccagtt ttatactgtg 420  
 attat 425

<210> 8998  
 <211> 338  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8998

agcttgagat gaggaagtgt tgaagggtga aactttctgc ttttattggt gaccacagag 60  
 tgggtacctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcagg tggggtgcta 120  
 ttgccccaaa ccaagcttga ccaatccccga cccaaccgg gcatagtccg tcagtgagaa 180  
 cctgtgatgt acctaagcag gcgagctcct ggacgtcaac agataaaagg aaaacaagac 240  
 cacaaagcaa ggaggcttgt ggtggctggc cagctgtgaa ttntgtgtaa tatgtgagat 300  
 atggcctctg gtaatcgatt accaaggggtg ggtaatcg 338

<210> 8999  
 <211> 329  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 8999

agctggcatt cgatcatcgg agccatagag agcatgatag cgctgaatac aacggtcctg 60  
 cattntgctc agagctttgg ccaaagggtg gcttatggcg aaaccgcccc caccataggc 120  
 catgccgtag gagaagaata tgttctgcaa gtgactctcc gacaagctcc caatgtagta 180  
 catgtagttg tggtcgtact tgtttaaaat cctcagcaga ttgtccgtca cgaaaacggt 240

gtcgtcgtcg cccatcacga accaccgcac gttcttgtgc ccatacgcg gcgtttccgt 300  
cacgatgctc gatattcgaa tcgcggagc 329

<210> 9000  
<211> 408  
<212> DNA  
<213> Glycine max

<400> 9000

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aacaatctcc caagtggaca ttgaacttgg aaatttgaaa tgtggttcaa ttcccacaac 120  
atttaatggc catgctgcaa gaacattagt cgagaagttt gacaaagaaa tgaggcagga 180  
aattcttaac taaatactac taccaatttg caataaccaa gttatccaat attgaaatta 240  
attaataggg aaaaatcagt gttgtagaaa tgcattacac tgatgtgggt gatgtatata 300  
acaattgaac aaaagagaaa aagagcaagg cagaagtaaa agaaagagaa ctaaacaaga 360  
tcaaggtaac attattaatg aaattcctaa tccctattgt gcaaacac 408

<210> 9001  
<211> 293  
<212> DNA  
<213> Glycine max

<400> 9001

cacaaacaca aacccttgca acaagtacat atttctgact caaggccacc tgggttaccc 60  
agttaaccaa tgcattcagt ttgccttcaa gcttcttaat atcagatgat gcagctgagt 120  
gtgaactacc tcatgcactc ctctaatac tatggaatca tttctggcgc ttaactgctg 180  
agagttggaa gccatcttct caattatatt actggcttca gcaggagtca tgtttataaa 240  
ggctccacca ctggctgcaa ttatcatact tatctccata ttactgagtt ctt 293

<210> 9002  
<211> 341  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9002

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aaattcaaat ggtcataact ttctactcaa atgtcagatt caggtatata atatatagag 120  
atgctcgaaa ttgaacacgg aagctctgct ccaattcaaa ctgatatgaa ccctcatgga 180  
acaagggctg acttangatc gtctangatt aaaccttgat ggaaaatgcg gaaattgatt 240  
aacgtaagga tggaaaataa ggtgggttaat ttcgtgggtc ttaatcacgt ggttcttggc 300  
ataaaatgga tgaatgggat ggtaaaatgt acgttaagt g 341

<210> 9003  
<211> 166  
<212> DNA  
<213> Glycine max

<400> 9003

agcttcttgc gtaggcgctc ttgctgctca gaatattcca aaaacaaatc tctcttatta 60  
ctagctatct tgaattcttt agatcctgaa tgtacaacct tcaaattgtt gctcgttccc 120  
ctctttgaga atgaggagga tcttcatagg acttcatcca gttgat 166

<210> 9004  
<211> 174  
<212> DNA  
<213> Glycine max

<400> 9004

gctttgagac gcatgataac ttgtggcata gtttttcatt cagccagatc ctctggcgac 60  
acgatggaag atgaactatc accacttggt gcctctccat catgggctat ggctcttcag 120  
acgagaacat taatctagca tcttgtctga gaaatgacgt atgatatcta ctca 174

<210> 9005  
<211> 500  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9005

atataanaat ttattatctt taagtctggg tntctggccc ttattttcgt gcttagttca 60  
acagtcaaac actggcgctt aattaaatta tacattttat ttnttagaat tacatcaata 120  
anattattat atcttttctg caatacacta gtgacaaata cacnctctag atatgaattt 180

aaattcttgg ataatgcact ctataacaaa cattcttcat aatcttctaa tcttctctaa 240  
 taagaagaat taactctaca atacacttgt ctatttttaa atttggaag cacttggcac 300  
 cctaattaag aagggagaag ttgccccgtc agacatgcaa taacattagg aagtgaccct 360  
 ttaaaaacac attatgaagt ggatttttaa aatgaagaac atttctataa aacaaggatg 420  
 agaaacattt aatctgataa attctttaag attcatagtt atagataaag ttagattttc 480  
 attatttcct atattgggtn 500

<210> 9006  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<400> 9006

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 gcacccatat acaatcaagg cagcttcggt acctagatta ttacacgta ccttcaagg 120  
 gtatttggtta cttacatcac acacatctcc ttggctaaat tcacatacat gcataactca 180  
 agcattttgg ggacacaaaa attgcacatg tgcacatctt ggcatctcta atacctatac 240  
 atacgcaaac ttcattgatga atcttgacta tctacacaat aagggtgctac atttcatgct 300  
 cttttttcaa gtttttgcta cctaaagccg catgcaaatt caagcatatt ttcctttgct 360  
 gactaaaatt gtattcaaata aaaagggtata ttttttgtaa tatgttttct tcacataaca 420  
 ttgcaacata ttatatat 438

<210> 9007  
 <211> 442  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9007

agctttaatt aatcgcgtag agaattccag gcatttctgt cgttcaatgt ctcttggtcc 60  
 caatcccaaa cacctcagaa gtttattagc aaaagccagt ctagcaaata acatgtacat 120  
 gacataacct ttcaatttcg tggtcgtgta ttatatatgc aaactgtgat ggcatgtatt 180  
 caattcacc tataaaaaac attccagttt ctattcatga aaatgaatta tcatttctat 240

acatatTTTT aatttaattt aatcaaaata catggacatt tacatcattt tttaatccta 300  
taggaagagc attatatggt atgcatgacc aaactatcga tatatgtatt ggaatgattt 360  
taaaagatac aattgagata attntaatta gtttataatc taaaattctt tgcaccaata 420  
atatatcaaa attattattt tt 442

<210> 9008  
<211> 454  
<212> DNA  
<213> Glycine max

<400> 9008

agcttgaggg tttagtgcatt atttcccatg ccacttacat catagatgag tcattaacat 60  
gccttcctag ccttaaacca agacctttct tctgatggaa atctttaatt tttaatcctt 120  
atataagggt ttctttattc tttatgcgga agcctagatt cacaagtata caacctataa 180  
caattaccaa aggtcctaag atctacaaca tgtttgacta ttaaggatta gatcgataaa 240  
atacttggtat ctatagtgtg tttctggtct aagtattctt tgagagatgt tataagatct 300  
ttgaggctat ccatcacaaa tatagacaat gaaattatga ttttttctca atcgaagtct 360  
ctttattcct caacaaaatt ttcataactc tctgtatgga aaaagagaac tatgtgcacg 420  
atttgcataat atggaccata ccttcttata tctg 454

<210> 9009  
<211> 353  
<212> DNA  
<213> Glycine max

<400> 9009

agcttatatt aacaaaattg cctaaatcat ttctctatat gcatgtgaat taggaagcat 60  
caacaagaat caagccaatg ctattgtgca agcaatcaat ggggcaaac acacaaaag 120  
attatgatga tggatggctc aaaatctcac aaaggtaaac ttatcacttt caaattgagc 180  
tttcaaaatt atcatgacat gtagaggaaa aacaaggatt tcaaatacaca aaatgtcaac 240  
agacttttat tttctgaaca attaccaatt tcttgaacat atcctataat tcaaagaaaa 300  
atatgcaaag ttgtacatgc aaacagagtt gaccttaaat attaaactag aaa 353

<210> 9010

<211> 287  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9010

agcttccaca agaaacaact tganggagaa gatttctactg gcattgatca tggcgaaggg 60  
 gtttcaaggc ttatggagtt ggccatgccc atggcaatgg cggctcttgct gactaagaca 120  
 attgcacggt tttccagacc ttgtcgtcga gacggcatac agctctaagg aggagtccag 180  
 gtcaagggtcg tggatgtcga agtgcattgcc caagcactaa tcatgacttt cacagagttt 240  
 tagctccgcc attgtagaaa tgatgaagac aatgggaggg agaaaga 287

<210> 9011  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9011

agcttgcaat tattagaaga gaatgagcat gtgattggaa gtatgacaga ttatgttagt 60  
 cagttgtcag attgattgtg aaggaatgca ttaacagtat cctgggtgaga gtgtgacatc 120  
 taaatnttgt gagaaatgac tatcatttag ttctgatttt tgcgtgaatc tctgaagtat 180  
 ggactaaatg catgaaattg aggatgatga aggccatggt tgatttgtat agccacttag 240  
 ccaaaaagct gaccatgtgc ttgaatgatt tatcccttgc acctagtgtg agctgtatga 300  
 attaattgat tgattgaacc ttgagcctaa acagttgtat cttctgctac catatcttan 360  
 gttgtaggag agcatcatcc atagaagctt gaaattaata gtatacacac attngttctg 420  
 tatatataat gtcctgtat ata 443

<210> 9012  
 <211> 317  
 <212> DNA  
 <213> Glycine max

<400> 9012

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 atcctacaag cttgagatga ggaagtgttg aagggtgaaa cttctgtgctt ttattgttga 120

ccacagagtg gtacctggag atatgtcgcg ggggtcagga gaccttgggg acgtcaggtg 180  
 ggggtgctatt gcccaaaacc aagcttgacc aatcccgacc caaccggggc atagtcggtc 240  
 agtgagaacc tgtgatgtac ctaagcaggc gagctcctgg cagtcaacag ataaaaggaa 300  
 caaagaccac taaagca 317

<210> 9013  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<400> 9013

tgacatgttt aaaatatgca tgattgagcg agggcgatct acagatgtga ttctagtga 60  
 ccctcaaaaa cgttgcacat cgcttatcca caccaagtta ttaataaaa tatttcacaa 120  
 atacgatata atgtcttggt gcggaataaa tgataagttc aataacaaag tctaaggaga 180  
 tcgaatacgt gagtattgta actccttata tcatgttcaa ttcttatata taaaaaaaaat 240  
 at 242

<210> 9014  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<400> 9014

gcttggaataa aatcctcaca cagagagtca ttattagcat cgaatatgat atcgtccacg 60  
 tatatctgga tgattaagaa ttgactacca taatctttgt gaaacagagt agtatctacc 120  
 ttctctctta taaagccatt ttcaattaaa aatgaactta gcttttcata caaagctcaa 180  
 ggagctatgt ttaaaatata caaagccttg ttaaatttga aaacatgata agggatatata 240  
 gaactctcaa accccagggg gctgttcaca tcaacttctt ccttgataag tccattgagg 300  
 aacacacttt ttatgttcat ttgatacaac atcataccgt gataagcaac acagttaaat 360  
 tggtttgtcc agcttggttc taaacactca ctgagttcta c 401

<210> 9015  
 <211> 303  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 9015

agcttangga agagaagatg aaagtaatca ctaattaaac aaacaagcta atatttgtcg 60  
accatgtaag ggagattcaa taccacacac ggtgggtccaa gcaaaccctt gattnttgcg 120  
taggtagcaa aataaaggaa aggcctcatc ggtcgacctg gaaaggaatc ttgaaaagga 180  
atttatccga cccaacaatt gtttaacctc ttttaacgttg cttggactcc gcatgagcat 240  
caatcaggat taaccttgat tcatcgatat ctgagcatga acttgaggaa cttgcctact 300  
cgt 303

<210> 9016  
<211> 377  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9016

agcttgcaac cattatataa anaagaacat gagatttgaa ctttgactga aaatgttagt 60  
cagtttgtca gattgattgt gaaggaatgc attgactata tcccgatgag agtgtgatcc 120  
ttaaattttg agagaaatga ctatcattta gtactgattt ttgcatgaac ctctgaagta 180  
tggaactgaat gcatgaaatt gaggatgatg aaggccatgt ttgattgtga caaccactta 240  
nccaaaaagc tgaccatgtg cttgaatgat ttatcccttg caccagttt gagctaaatg 300  
atttattgat tgattgaacc ttgagcctat acagtgttat ctctgctac cttgtatgag 360  
ggtgtaggag agcatca 377

<210> 9017  
<211> 178  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9017

agcttncttc tacaccttat aaagagatga gattttactg atcgaggccg tacccaaadc 60  
aaataaacat taaaatgcag taactaagaa gtgacccata gtcatttccc aacgagcaat 120  
gactaaccga atgttcataa tatgcttcgt tataacagta ataataacga atggggggg 178

<210> 9018  
 <211> 303  
 <212> DNA  
 <213> Glycine max

<400> 9018

agcttgcaact attctatttta tcttggtaac agatatattt cgcctgaggt ccggttatca 60  
 cgatgaagca agaaatgttg cctcaacttc acgtgcttca catcaatttg ctcttttggg 120  
 acatactgcg gtcactactt atttacctat tcatgaacaa tctttcttat aattacttaa 180  
 tctacccttg acaaatggaa aattaaggac ggatgggtacc aaatgagatt gcagctgctg 240  
 tatctgatga atgtgataca atgttgagaa ctggcgaccg ggtaggtcta actgcatatg 300  
 aca 303

<210> 9019  
 <211> 322  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9019

agcttgagat gaggaagtgt tgaagggtga aactttctgc ttttattgtt gaccacagag 60  
 tgggtacctgg agatatgtcg cgggggtcat gagaccttgn ggacgtcagg tgggggtgcta 120  
 ttgccccaaa ccaagcttga ccaatccoga cccaaccgg gcatagtcgg tcagtgagaa 180  
 cctgtgatgt acctaagcag gcgagctcct ggctgtcaac agataaaagg aaaacaagac 240  
 cacaaagcac ggaggcttgt ggtggctggc cagctgtgaa ttttgtgtaa tatgtggatg 300  
 gtggcctctg gtaatcgatt ac 322

<210> 9020  
 <211> 371  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9020

agctntacag cagatgcccc tttactccat gttcttgaag gatatgttaa caaggaaaca 60  
 taagtatatt caccaggaaa aaattgtagt ggaaggaaat tgtagtgttg tgattcaaaa 120  
 gatccttcca cccaagcata aagaccttgg gagtgttaact attccttggt caattagaga 180

agtcactgtg ggaaaagctc tgattgactc gggagccaac attaatttaa tgtcattctc 240  
catgtgcaga aggggtgggag agatggagac catgcccact aagatgactt tacaactggg 300  
tgaccgctcc attaccagac catatggagt aattaaagat gtgctgggtca gagtgaacaa 360  
ttntatcttc c 371

<210> 9021  
<211> 464  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 9021

agctnttcat atggatatga gaaggagaaa caacttaaga gtgggtcggg cttacagcaa 60  
atgatgacac gtgacggaaa aattggatag tgacatgtgg attaataatt ggagacttgc 120  
tcatgntaat aatttttttaa gatgaagtaa taattttttt ccactacaat ttaaattatt 180  
tttttattca attntaaatt atttatatat tcacattaat tgcaatacaa atataaacag 240  
atgtaagcat aatttttttt taccatgttt tcgtttttaa tatatattta tttttttaa 300  
aaaatctaata aattaacttt aattatttat tataaccatt gcattaaana atgaaagttt 360  
gggatgtgag taacttctta aagtattgag taacttaatc ttttctcata cacatannat 420  
gagttattca caagttttat ttgttaaatt tgtaagaatt aaac 464

<210> 9022  
<211> 400  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 9022

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cttgttcttt ctttgtctaa catacacact agtcaaact tatgaaaaag gacacaatct 120  
tcatcacaat catgcactca atccaaaatc cgtttataac acgcacttca caaaaagata 180  
aaagtgtttc agtgcattat catcaagatc aagtcaaact attccatatt cttcanaaca 240  
tgcatactaa ctatccacan aanacacaag tatatataaa aatcaaccaa aatcactaaa 300  
acaatgtaca gaaatataat agtcataata atttccaaaa gcaaaatcat caggaattta 360

aaatttctga gacaaatcct angtaccctg agtctgagca

400

<210> 9023  
<211> 370  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9023

agcttctata taagcagaac catnttatca atattgacaa gttgagtttt attcagaana 60  
ttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120  
gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180  
agtgattctt tcttctctt catcttcacc cttgttcttt caaaccacaa ttccagaaaa 240  
tccacctctg ccagaatta tctcgtggcc ataactccaa ttttacgcac tcaaattaag 300  
tgattcttga gcttaaattg aattccaaaa cgagagcttc cacctcgttt tggaatcact 360  
tcatttgag 370

<210> 9024  
<211> 376  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9024

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aaaaatggtc attgaccaat cccttttcta tgacttgacc caattatcta gtgaagggtg 120  
accatttgaa ggtacactga atgatgattg gaaatttgat ttctctgtgc atgatgcccg 180  
ccggttggtt tgaaccaacc aagaggatat gactggaagg cttcttgctg gatcattggc 240  
ttttgaaagc catatcttc actatctcat tgtgtgtatt ttacttccaa gatcttcaaa 300  
cctttgctca ggttctgaag acgatcttat agtcatgtgg gcttttcata ccggccgaca 360  
aatgatttg gcacac 376

<210> 9025  
<211> 389  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9025

agcttccatt ttcctttcta ctttgaatga gtaattctta agnttcatac attcatcang 60  
tccatcctta tatttttgtt tccttctaata tattaaataa aaatattgtt ttcttgaaga 120  
ctcttccttc catgttataa tgaaaccgta agatgaccaa attaatctta cttgctagtt 180  
atttgaagaa ccaacgtcgc acgccaaaag tcaaaaccta caacccatct gtcacccga 240  
ttcattactc tcgggattac ttcagggcat ttcattggta tctcttcttc cttttcacac 300  
cctcatttaa atgttgaaac acctagaata ccttcttttc tctttaaaat ttaaaatctt 360  
ctctcctact catgtccatg ctgatattt 389

<210> 9026  
<211> 415  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9026

agcttagtct nttggaata ttttaggaat ntatatattt tcaatccaac cattcaatga 60  
tgtaatatta tataaatgat catgcattcc aaattttaaa taatccataa attcataagt 120  
atgtaattta ataattgaca tatttttaa atgctcgttat atgtaaacta ctttcacaag 180  
caaaatgtaa ttttcataat ggcaattgat gtttattatt gtttactgac ctctatgcag 240  
atcttcccc tgataaggaa ccactagatt ggaatactag aatgaaaata gttgtcgggtg 300  
ctgcaaaagg attagaatac cttcatgata aggcaaaatc atgaacaatt tctttaattc 360  
caaccaataa ctaattttca taagaaatgg agtactaatc aaagtcgaat gtatg 415

<210> 9027  
<211> 379  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9027

agctntgaat gcactattca atggagttga caatatcatc ttcagactga tcaacacttg 60  
cacagtggcc aaagatgcat gggagatcct gaanatcact catgaaggaa cctccaaagt 120

gaagatgtcc agattgcaac tcttggtac aaaattcgaa aatctgaaga tgaaggagga 180  
 agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcaactgcctt 240  
 gggagagagg ataacagatg anaagctggt gagaaagatc ctcacatcct tgcctaagag 300  
 atttgacatg aaagtcactg gcatagagga ggcccaagac attngcaaca tgagagttga 360  
 tgaactcatt gggctcttt 379

<210> 9028  
 <211> 400  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9028

agcttgngaa tgcatttttg catctatttg actttcctat gctgnctcta catatataaa 60  
 acagccccac tatcccaact ctgcaaaatc atatataat atcattgggg caatgtggca 120  
 tgccccattg cttcaaaata caacctatgc ctaaggcctt ttcattctaa tcctcaattc 180  
 aagaaaacaa gcagcaaagc aaaccaaacc taccttaca atataagcat gttctcacia 240  
 ttcgaggcac caaaagatga agaaagcaca tcaatggaaa gcaaaaacat caaggatgga 300  
 atacttactt gttggagtga attgaaatac caaanacgaa agcaaaacgc gatcaanagg 360  
 cttatgggag caagaaaccg caagccttcc tattctctat 400

<210> 9029  
 <211> 206  
 <212> DNA  
 <213> Glycine max

<400> 9029

agcttgaatc ggacatccgc gtgaatagtt atgatctttt gaatctctca agagcttccg 60  
 gtggtcaatc tcgatcctct tgacatatta tgcacccgca tcggacctct gtgtgaaaag 120  
 gcatgatcat tcgtatcttt cgagagcttc cgatgtttta gtcccagcgt atccatata 180  
 tattaactct gaatcggacc tcagtc 206

<210> 9030  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 9030

agcttacaca aacattcact agtccaacac acaattaaca aatagtcac attcgtccat 60  
agttccaatg ctccggtatga tgcattgcacc tgatctcaac tctcaaatgc aatgtggtac 120  
catccccaag gaaatagcct aagcgtgtcc acacaacact ctccacttagg aaaactaaac 180  
agtaagtgtc gaggtcacca tgtcatgcac aggcaactcc tccccccac ggtgatcatc 240  
ctaagtctca agggagttcc aaaccaagtg acatgccnc aagtacaagt attcctcctc 300  
atgagaaact acaagtactt actgaaaagg gttgtactat ttccatgcaa tatgaagtat 360  
gaaacatgag catcatccat gcactaacca tggataatta a 401

<210> 9031  
<211> 430  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9031

agcttgtatg aattaagaga aatcttttgt gcctttttct atttaattat tatttcgatt 60  
tctcgcatct ttctcgcgta tgttattgac tagtggtgtg cttatgttta attaactttt 120  
atctgcaatc gatgagaatt gaagttgtaa tatagagctc ttcaatttac tcttaanaaa 180  
aaaattgaat gtgcctttcg atatggtgaa tgcgatatta ttttagatga gcagtatana 240  
tgtcaccttt gtgttggtgcc ttttctcgt ctccaccacaa tacgatgcag ttatgcaaatt 300  
agtatttatt cccctcctca agaactaaaa agnagaaaaa catgcaaaaa aaaaanagtt 360  
acctattata gaacttctag tcacctccaa cattaaacaa catcttcgat aacctatgaa 420  
gcacagacac 430

<210> 9032  
<211> 276  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9032

agcttcactc gaagaatatc tgtncatttt tttgttcttg tgcaaaattc ctctacaaat 60

tttcccacta tctctctctc tcttactcag cttcattgtg ctcttcttct tgggatctcc 120  
 ctgcgcgtcc tgtgcttccc ctteccacag ccgccaactcc ctttgcaaca atgccgtcga 180  
 ttgtgagacc tccgttcattg aatccaccac ctttcattcc aagtccaaat caaaagccct 240  
 ttcgcgtcct ggtgacttgg ccattgccat ggcgat 276

<210> 9033  
 <211> 318  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9033

agctntatat agcctttaga acttcaattt gctgatagat ctcaactagt ctttatctaa 60  
 tagctntggc atttgacatg aggctactac tatgcagaga gagtggggac cacaaatact 120  
 ttttgcagca tgtcttcaga gaagtacaat ctaccaatgt tgcctagtac ttagagctga 180  
 ctttcaacat acaaatcana agaaatggta acaacgtaag acaaaaggag ttaggaatgt 240  
 caagacaaga caatttaaatt cttccattnt gtgtgctatg gcaccagatt cttattgaca 300  
 tatggagatc tacttctt 318

<210> 9034  
 <211> 182  
 <212> DNA  
 <213> Glycine max

<400> 9034

agcttcgggc ttcaattttg agcttctcga catattacgg gactcaatca gatattcgag 60  
 taaaacagtg atggtcgttt gaatttgctc atagctttca cattcaattt tgagcgcttt 120  
 gatataattac gatactcaat tggacattcg agttaaatgt taatttcgcc tgaattgttt 180  
 ca 182

<210> 9035  
 <211> 334  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9035

agcttccatc acanagtcct gtgatcaatg tgggataatc ccaggccccg ttggacttat 60  
 ccgggtccaa aggggtgctg gtcgggtgcca tacctgcaa tagataaatg gcatcagcaa 120  
 tcaactgagc cacgtgaatg ctcacccgtg tcaggacggc gtacaccagc tgacacttcg 180  
 acagggggag gtcggaatta tgatcgctgg gctggatgtt gctgagcagc aacgtcatcc 240  
 atatctgggt taggggtggc atgttgggtg gcatgaatcc gacccgcttc ccagcaacaa 300  
 tccgagcaaa atcctgcccc ggtatacaca gcaa 334

<210> 9036  
 <211> 163  
 <212> DNA  
 <213> Glycine max

<400> 9036  
 tttcgagtgt ctcaatatat tatgcgcctg aatcggacct ccgagtgaag agttatgaac 60  
 attcgaatat ttcgagggct ctcgttgatt aaattccagc ttctgtatat attatgcgcc 120  
 tgaatcggac ctccgagtga taacgtatga ccattttaat atc 163

<210> 9037  
 <211> 382  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 9037

agcttcgaaa tccaaagatc taatccaagg tagatgtttc ataaatggga ttcctttgct 60  
 tgtgttgttt gattctgggtg ccacccattc ctttatatct tggttgtgtg tagaaaaact 120  
 taagcttttt gtgtcttctt taaataaaga tctagtagta gagacccta ctagtggttc 180  
 tgtgttaact tctgatgtgt gtttgaattg ttctgtggag atttctggta ggatattctt 240  
 gattgatttg atttgtttgc ctttgagcta gaatgatgtt attcttagta tggactgggt 300  
 atcttccaac catgtcttgt tgaactgttt tgaaaaagtg tgggtgtntga tgattctgga 360  
 gtgagtaagg atatgatgtt ta 382

<210> 9038  
 <211> 413  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 9038

agctnggaaa taagattata gtaggatgca aaagttcaac tatgtaacgt atgctccaaa 60  
atcaaagaaa tcaatgttta aatcatccag gcccttggat tcaaaatcta atgaaccact 120  
ggatcccata aagtaacaac ctaatgattc ctgccaagag gaagtaccag atatataata 180  
ccgtcgtgat atctaacagc tagtaaatat tatagatcaa gagtatggag taagcaagac 240  
gcagtgacaa aagttagtta agagttagaa agaaaagaga gttttcagtt actataaacc 300  
taattgaaac agttaacagg aagagaaact aatataagat atacacataa actggtacta 360  
aatactctag aaaatgtaat ctgacataag cccacttaga agtccaaaga tca 413

<210> 9039  
<211> 379  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9039

agcttatagc tctagtttcc aggttgtaaa gatgatatct cttcctcatg cattaattgt 60  
cactcaagat gctagccagt ggatccctcc tgagattggt caagttgatg tcagttgtga 120  
tgcttcagtt ccttaattgg ggagtctcac aacttatggt ggggtgcttc atgattatac 180  
atganatttt ctgtgtggac tcaaatacaa tattggagat tcatctgtgc tgaatgtaga 240  
attgttgact attctaata gaatctgcta tgaaattcta tttcctttta tgaatggatc 300  
atggaatagt gggaaaagaa ctattacatt acttctattg aggggctaata aatgggagct 360  
ctatcatggt gatgtcaaa 379

<210> 9040  
<211> 376  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9040

agctntgagg gtgcgcattc caccatcttt tcatagtgga ggaccgataa tgtgtctacc 60  
atcacgatta tcgtctccct ttccattatt gggggtagca cctggggcgc cagctccctc 120

cactttttgg gcggtgttctt tgaaagatcc gtcccccttt ttgcaaagt tctgtagttg 180  
 catcctatcc agaaccatat caaaattgta ctaatactgc ctaacaaagg caaccattag 240  
 gtccttccaa gaatggactc gggaagggtc caagttagt taccacgtaa cagctacccc 300  
 agtaagactt tcatggaagg aatgtatcaa caattcctca tcttttgcg antcccccat 360  
 cttctgacaa tacatc 376

<210> 9041  
 <211> 291  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9041

agcatgagct aattctggac agccataggt ttttattctt aacaaactca gtattggaga 60  
 cgaggatcga cactccttat cttgaatgat gactgttcac tacctttgat atatctattt 120  
 acncttggtt acctagggct tgaccatgat acacgaattc atattaacaa caagatttta 180  
 attggttaat atcaagcacg tctaagactg gaacttatta aatggaccac tggttgacaa 240  
 gatggttgga gaaccatcaa atgcaactat tgtcaaaatt atgagttata t 291

<210> 9042  
 <211> 320  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9042

agcttacata acctaggtat ctctgcataa gctgttcgct gtgctgcctc cagagctata 60  
 ttcccgaat aggcactgtg gtgtgctctg gaattngtgc aaatcatccg cttgccctaa 120  
 ttctgcacaa aacaggcttt aaatagcctc tgaatttgcg acgttgcgct tagtgtgagt 180  
 aagtgggttt gggcttaacg ccagtcttgc gctgagcctg gctgaagaca cctgttgtgc 240  
 ttagcgact gatctcacgc ttagcatgtg accttgatat tgatgtcttg ctagattctt 300  
 ctatcgcgct aagcgcggtg 320

<210> 9043  
 <211> 383  
 <212> DNA

<213> Glycine max  
 <223> unsure at all n locations  
 <400> 9043

cagctggtta atagaactag aacatgcaag aatatcgtag actacgacta taactgaact 60  
 agattctttc aagcaagaac tcacaaaat aaggcaggat tttgatgcag ttttgagggc 120  
 aaagctggca gcactttaag cagcaggaga ggcttcacgt tcagcaaaat taaactcgga 180  
 aagaatcagt gaactctcaa atgaaattgc aaccatgaaa gcatcaattg aacaagttag 240  
 acttgctctt gaacaatccc aaaaagaaag tgaagcccaa cttggtggtt attacacaac 300  
 tgcaaggaag aagcacagat nacttggagt ccttatagaa tgaatcgac actgaactca 360  
 tgcaaagtct agatgccaac ttg 383

<210> 9044  
 <211> 437  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9044

tcatttccaa atatgcatgt gatttangac gcatcaaaa gaatcaagcc aaggctattg 60  
 tgcaagcaat caatggggca aaacacacca aatgattata atgatggatg gctcaaattc 120  
 tcacaaaggt aaaatcatca ctttcaaatt gagctttcaa aactatcatg acatgtagag 180  
 aagaatcaag gatttcaagt cacaaaatgt caagaactta tattttcaaa acaattaccc 240  
 atttcttgaa catatcctat aattcaaaga aaaacatgca aagtcgtacg tgcacacaaa 300  
 atngacccaa aatattaaac tgaanatccg acgaaactaa caacactaac anaataaac 360  
 aactaacaaa gtaacaaaac caacataact agcaaaaacca aagaacactt ccccgccccc 420  
 ccgcatactt aaacaac 437

<210> 9045  
 <211> 477  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9045

cgctgggtgac tctnggcagt agtttcaatt aattattatc atgtatcata tatcatctat 60

ctttcaatct atctttcaat atctttcttc atctctttct acagaatttt ctgattcatt 120  
tctcttgatc tttctaaaag tttttgatca acactttctc ttccaagaaa atttctttgt 180  
tcaaaaactt gtgttattca tctttttcat tctcttctcc ctttgccaaa agaacgaagg 240  
actaacgcc tgaattcttt gtgtctctct tctcccttac aaaagattca naggactaac 300  
cgctgagaa ttcttttgat tcttcccttc cccttaaaca aaagatttaa aggactaatc 360  
gtctgagata ntctttgttt ccccttacia agattcanag gactaaccac ctgagaattc 420  
tntgtcccaa cacatnggag gatacatcct ttgtggtaca agtagagggt acatcta 477

<210> 9046  
<211> 317  
<212> DNA  
<213> Glycine max

<400> 9046  
gcgtgtatga tatcgactcc acaaagttta agtttatgag accttcaatc ctattacgca 60  
acgtggcgga caaaagtggg ctgcttactt gaatggatcat tattgtcaat gccgaaggta 120  
ttctgcgctt cactatccat gttcacacag tattgcaact tgtgggtacg tgagcatgaa 180  
ctactaccaa tatatagatg ttgtttacac aaatgaacac atcttaaaag cttactccgc 240  
acaatggtgg ccttttgcca atgaagcggc tattcctcct tctaagacg catggacact 300  
tattcctgac ccaacta 317

<210> 9047  
<211> 382  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9047

ggatgctctc tcttttgtga ttcactcaat ttggactgct tcttagtcca atagctatta 60  
aggtgggttg ccccttgctt ctgactcaa attcttcaag ggatggcatc aatcctcctt 120  
tccaatttcc tatatggcaa ctcaaaaca aggaaacaaa gagacaagca ataaccaaag 180  
acaaaaaaaa aatgaaatga aagctaaacc aatggagttt taacaagaca atttatcaag 240  
gattattcaa caattaaagc aatgaanagc acatagaagc aagctaggac tcanagagaa 300

acttagaatg gctctagagt agagtaaaan aactataaaa aaagactcac aaaacctcta 360  
gctttggaac tttgtttcac ac 382

<210> 9048  
<211> 323  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9048

actaagcttg taggattatg gngtaccat cacatgtggt attaggtggc ggtcgggcga 60  
tggtgcacaa caagtnttc cacatccaca atgcgcgcac aaaccacca tcccctgttg 120  
cccacctcca tctgagctca cgtactccca cgtagcccat atcctcgttt ctccaacac 180  
cgggtcccca tcaatccttc caagcttcca caacatccaa gcaaaacaac attcaaacag 240  
cacaagctat cacagccaag caaaacagag caaatgcaga aaactctgcc aaacaccacc 300  
caaatcacag cttttctcac tta 323

<210> 9049  
<211> 220  
<212> DNA  
<213> Glycine max

<400> 9049

ctggatcttt gagcttcaat ggcgtccttt aatggtgact taccaccatg gagatgcgcg 60  
gaagacaaag gaaaatatgt gagaggaggc gccattcatt aatgaataag ccatggacga 120  
aggagcttca ccaccaagat gagccttggg taataagcta ggagaggatg cttccatgga 180  
ggaaaagaaa tacggagaga aagagagagg ggggagcact 220

<210> 9050  
<211> 472  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9050

gcatgcaacc ttgccgtcca gctcgcccag gcgagccagg ttgcttctc cataagaaac 60  
agccttttgg aggaatcttc tggaaggccc aagtgggcct agttgctatt tacaccccc 120

ttttactaaa tgcaccccc ttttctatnt ttttgtaatt cttttttccg taacgttacg 180  
 aaactttacc aatttcgtaa tgatacttat tttccttccg caagggttacg aatattttacg 240  
 gattatgtat ttactttctt ttagcttttcg aagaagttac ggaaacttac ggattgcgca 300  
 aaaacgcctc ttttcgactt ccgccacatt acggaatttc acggatcgcg caagcctgct 360  
 tccttttagat ttctgagacg tctcgggact tcatttattg tgcaacanag gacgccaagt 420  
 atctcgaagc ggctaacca aagaatgcacg tcacaaagta ataatccccg ga 472

<210> 9051  
 <211> 417  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9051

tgtagaggct tgttgcttg gtgagacttg ttgcctcggg gccgattcag atgttggtta 60  
 tgattcgttt ggcttggtta agcttggtca ttgcttgccg attcacagac gtcagcgctg 120  
 cgacattgaa atctcagcac accggacaaa caagctccac cttatcctct tcctctttct 180  
 tcaatttgat ctcatccat tgattcaacc tttcttcagt tcctccaacg tcnngcaggg 240  
 tggatctcaa tccggcgaac tcgtctcatc accgcctcga aatgcataaa tgattggtgt 300  
 tagggagttc ttggtttggt tagttggagg gaaagggaaa ggtaaaggc agatactata 360  
 nggtgcttgt ctgagcttga gaaggagggt tataaataaa aatcatacga atttgaa 417

<210> 9052  
 <211> 345  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9052

acgcgtcact aacacttata caacgactac aatgcaagta gcccgctcgn tgatggctta 60  
 tttttttata tataaaaaag gagtaaaatt ttaagttatt tcgttagggg tatattttta 120  
 agaatgataa aaaaggagta aaactttntt tatatatagt ttacgacttt aaaagttata 180  
 aacccgtttt ccttttatta atgtttaagt taattatttt aaaaaatata tatataattt 240  
 ttttatgttt tctttctttc tcaatttttt tttaaaaagt atttaaagt ataataaata 300

atattaactt gantttattta ttattatatt tttttatgac tttac

345

<210> 9053  
<211> 354  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9053

ctgatgcac taccgccag ggcattggat agaatagtc aataacattg gaccaaagat 60  
gcaagagaag gccctagggt tctcatgagt cttanggtag atntcgggcc catgggctaa 120  
gtacgagccc acttatcttt gtaaataatta gattaagggtt tcattatctt tgggccttgt 180  
agttagggtt ccataatgta ggtaggggtgc cttagaaata taggattctt cagcccttgt 240  
atcttagggc acctagacta gtttttctat tatgggtagt tttgtaattt catatgcact 300  
aagtgaatat ttgatcgtgt gggtggaaac taaattaatt gaattggtag aagc 354

<210> 9054  
<211> 502  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9054

ngacagantg tggatgacac gacacacgtc gatcgatgct tgctgtgtgg cagatgggtgc 60  
acacatacga atgacgatcc actaagctcg cataatatca cctccactg ttgccaact 120  
attacttgag cgctactcac atctctcgta naactcatat tctgtgaata atacttgata 180  
gccggggcac accataagat acctccatt gctgaacaca tacattcttg ccaatcagct 240  
tggtctcaga acaatctatg acatatcatc aaagcaaagg aaggcccta tctcatctca 300  
tctcatccac tactgtcata gcttttctac ttatagacca agtcacattc cattcgatca 360  
atgactaacc tgtggctgac atcaagatct actgtgagtc tatcgtactc agactacatt 420  
atgaccattg catcttcac atacatacac aacaagtgtg ctctgctctt acacaccaa 480  
aatacgtgag ttttttact cn 502

<210> 9055  
<211> 336  
<212> DNA

<213> Glycine max

<400> 9055

agcttggata gatcttgagc ttttagtaga ttatggaagt taaacccttg ctgagagAAC 60  
cactccaagt ccagatactt ggggtattctt acattctcca tagcataaat catcttctag 120  
tcattcttct tacttttgtt agtaaaccat gtatctagcc tgttgatagc aacttaagag 180  
cattcacctt gcttcctctt ggaatacttg gctttcttct gagctctgga aggggtgctc 240  
gctcattttg gaaggggAAC aaaggggttg gaagcagaag aagggttaggt tcagagatgg 300  
gtgtttcaag gaggtgttgg tgtgatttgt ggatgg 336

<210> 9056

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9056

ctttgcgtaa gaaccagttt atccaatgga acgatgactg tcaagtggca ttcggaagga 60  
tcaaatgatg ccttatgaat cctcctgtgc ttacgccact agtgccctgga agggccatta 120  
tcctatacat gactatgttg gatgagtcaa tgggggtgtat gctggggcaa catgacgagt 180  
ctggaaagag ggaacatgcc atctattacc taagcaagaa gtccacatca tgtgaaatga 240  
actactctnt gcttgaaagg acatgttgtg ccttggtatg ggcagccac cgtctaaggc 300  
agtacatgtt gagctacacc actnntgtgg tgtccaaaat ggaccagtc aagtacatat 360  
ttga 364

<210> 9057

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9057

agcttctaaa aaggctacgt gaatatggga ggtgttccac cactaaggat ggcgacatgc 60  
atgtgcatgt gtttcgctaa tggatgatggc gaaacccatg gtggactcgc tggcaggaat 120  
ggcgacatgc atgggcatgt gtttcgccaa tggatgatggc gaaacccatg gtgtttcacc 180

aatgtggatg gcgacacaca tggcactcac gtgaacctac tacgctgaca tggatgcatg 240  
 cactgttact gcgtgttacg ctggaaggaa tggagaaata aatgtttcgc caataggaat 300  
 ggagaaaccc ttaccaaacc cttacaaaat agaccctcca aggaaaatgt ttgaaaataa 360  
 accccttttg ggaataagtt tctaaaagaa acccctgtg gtcattntgc cgcttaacac 420  
 acacaccaac aacaagaaga acaacaata 449

<210> 9058  
 <211> 399  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9058

agcttatccn cacaagagtg cataacaact ggtgagtctg cattgattat aggaggctga 60  
 accaggtaac ccgaaaagat catttcccc tgccattcat tgaccaaag cttgagcgct 120  
 tggcaggtaa atctcattat ttttttcttg atgggttttc tagttattta caaatcata 180  
 ttgctcttga ggatcaagaa aagaccacat tcacctgtcc ctttggcact ttttctata 240  
 ggaggatgcc ctttggccta tgcaacgccc ctggtacctt ctgtcgcaac ctaccctttt 300  
 gcgggcaagc gaggcgaggc tcacgggtgc cttttccaaa ggaggaaaat gcgcggagtc 360  
 gtcaccaacg tttatttgtg gaaaacgtcg aaaaaatcg 399

<210> 9059  
 <211> 520  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9059

aggccggcgc gcgcncccag taactgatac ntttgtannn ncngacacag gagagtgcgt 60  
 aagctttgtt gatttagttc tcaccggtga aaggatcgaa gtgtgtcttt atagacgcac 120  
 atttgatcat cccgccttga cgaatgagaa aactggagct aatgaacacg gtgagaatga 180  
 aggagaaaac cttgctgtga ctgtccctcc tacctggctc atatccccta cctctcatca 240  
 aactaatcc ttaccactat attcattata ttactccctc cccgtcgtgc atgtggttct 300  
 tctgacgcc a tcccaacctc ttctccctc aattcattca agaattctct cttcaccact 360

gatcaccac cccggtgat ccttagcaaa tgccgtacaa ctacctccat ctgagttcaa 420  
 tcgtcactct ctcccattca tctctactta ttgattccct ctctcacact acatactcct 480  
 tcttcatgag cattctacgc tactctgac cttccccccc 520

<210> 9060  
 <211> 449  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9060

tggaaggatg cttcaatgga ggaaaagaaa gagggagaga aagatagagg ggggagcacg 60  
 aaatcgaagg aagaaaaagg gagagaagtt gaactttgag ttgtgtctca caagactctc 120  
 attcatcaaa gttaccacaa gtgttacaca tgcttctatt tatagactag gtagcttcct 180  
 tgagaagctt tcttgagaaa acttccttga gaagcttctt tgagaaaact tccttgagaa 240  
 gctagagctt agctatacac acncttctca taactaagct cacctccttg agaagcttct 300  
 ttaagaagat tcctaaagaa gctagagctt agctacacat acctctctaa tagctaagct 360  
 cacctncttg agatgagaag ctagagctta gctacacacc ccctataata gctaagctca 420  
 ccctcatgac aaanaaaaca tggaataac 449

<210> 9061  
 <211> 211  
 <212> DNA  
 <213> Glycine max

<400> 9061

tatacactta aaatggaagt tcttagtatt tattacctat acttaataga aaatacttat 60  
 tacactacaa aataaccata aattggaaga gtttgatata atttacacca tttttatata 120  
 caaaagtttag tccgtttgac tgactaacaa tatacttatg tttccttgat aacatatctt 180  
 ttcaaaaatt ggagtacagt gacatttgct a 211

<210> 9062  
 <211> 176  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 9062

gcttttagcca atggacttac cttgactnta attccttgat agcccttttg agctttgtnt 60  
ctccttcctt ggtntgaagc tctactacaag ccttaagtga aaaaccatga tatcaccata 120  
tccttaagga atcttgagc tttggaattg ctttggaat aagtgtgggg gttttt 176

<210> 9063

<211> 149

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9063

gagttcatct agggcatgct ntgaagcaaa catatccact ccggagatcn ttctttccat 60  
ttctttcgtt caatttcttg tcttcagcct ctgatgacta tgagagactc acttactcac 120  
tgttgggggc ttgagtacca aagactctg 149

<210> 9064

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9064

agcttatgcy catacttctt tacgaacgnt cacttttaca agacattctt ataactaata 60  
aaaatgcacc catatacaat caaggcacct tcggtaccta gaatatttat atgtacttcc 120  
aaggtgtatt tgctacctac atcacacgca ttttctttgc taaatttaca tacatgctta 180  
ctcaaagcac tttggctatc aaaattgcat acgtgcacat tctgggtattt ttaataacctg 240  
tacatacacc aactttatga tgaatcttga ctatctacac aataagggtgc tacattccat 300  
gctttttctg aagtgccttc tatacctaaa gccggatgc 339

<210> 9065

<211> 463

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9065

atatngaaca tcacaagctc tcgagagatt cagatgggtca tatcttgtct cacaaacttc 60

gattcaagcg ccatatatac cgagacgctc gaaattggac aaccgaagct cctctgaaag 120  
tcacacgggc atagactttt acacggaagt gctcactaag cgcattgcata tccagacgcg 180  
ctaagttgac accgaagcgc tcgcgaaatt ctaatggatt aactattcac cggaagccccg 240  
ttccagcgca tcgttatcca aatcctggca tgtactacga atgtctctaa caattaaacg 300  
tgcttctctg gctcggccc ccaggccttg gtttttcttt tgcacctac aattcctacc 360  
ctatctccct tcgcttcttg cttcttttct ttcctctccc ctcttgctct caattctaac 420  
ccttcattca ctcccaagtc tcgtactcca ttttgtctta tcc 463

<210> 9066  
<211> 419  
<212> DNA  
<213> Glycine max

<400> 9066  
gaagcgtttg tgaaagagca tttgtatgca tcacgtatcg ctgtaacaca tttctaatag 60  
taacatgctc aaagtatggt aacagataaa atgattctta tagacctgcc attaccattc 120  
caccacatac ttatctgtct atgtgttaaa ggagaggtag agcatcgta tcgcttatac 180  
tcgtgactgt acaatgcgca gatacaacca cattatgttc atgtgacaac gcgagtgtt 240  
gtactgtagt ccaatgtgca ttttcgaaga caaaagataa tgcattgcac tagaacatag 300  
tggttaattaa actaattctt cttaaaggta agtgctctcg aatacgtaat gaattcaaga 360  
atatacgaac tacgaagaca ctgacagagg taaaatcttg taaaaaatta agaaggagg 419

<210> 9067  
<211> 452  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9067

agcttccatt ntctctttct acttgaatga gtaattctta agtttcatac atcatcaggt 60  
ccatccttat attntttttt ccttctaatt attaaataaa aatattgttt tcttgaagtc 120  
tcttccttcc atgtaataat gaaaccgtaa gatgacacaaa ttaattntac ttgctagtta 180  
nttgaagaac caacgtcgca cgccaaaagt caaaacctac aacctatctg tcatcccgat 240

tcattactct cgggattact tcagggtcat ttcattgtta tctcttcttc cttttcacac 300  
 cctcatttaa attttaaaac acctaaaata cccttcttctc tctttaaaat ttaaaatctt 360  
 ctctctact catgtccatg ctgatattnt agaagtecta ggcggattaa taaacaaaag 420  
 ttatacattt ttctgataac catatntatt at 452

<210> 9068  
 <211> 419  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 9068

tctcgccatt ggcagcagcg agacagggtgc tgactgggca ctaaggcggt atcgccatta 60  
 tcatcagcga gacagggtgct gactgggcac aaaggcgtaa gtgctgactg ggcattccgc 120  
 cagtagcacc agcgagatca tcatgcacct ctgcacgcgc tacagacacc ttcttcacgt 180  
 cttgcatagc ttctggcttg acacaacagc ttatgacact cgtgtttgca ggtaagggca 240  
 catccagggt atggttctat tcatctgcag gttatggttc tgctcattgc acgctanggc 300  
 atggcatggt gaggagtcac atgggta'cag tttcatattc acatgcgcct gtaattattg 360  
 tagaacatca tgggtgtaga ctgcgttaaa tgagagcatt ctaagacaaa atttacata 419

<210> 9069  
 <211> 413  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 9069

agcttccttg agaaactatc ttgttaagat ntctatagaa gctagagctt atctacacac 60  
 acctctctaa taactaagct caccttcttg agatgagaag ctagagctta gctgtatgcc 120  
 ccctataata gctaagctca ccctcatgcc aaaagacatg acaatacgaa tgacagtccc 180  
 tactactaag actactcgaa atgccctgaa atacaaggct aaaaccctat attactagaa 240  
 tggccagaat acaagcccga aatagtaaaa acctattcta atatttacia agaagagtga 300  
 acccaacctt ggcccatggg ctcaaaaaat ctacccttag gttcatgaga accccagggc 360  
 cttcttttagc agctctagcc caatcctctg ggagtcttct atccaatacc ctt 413

<210> 9070  
 <211> 453  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9070

tctatggagg ctggatcttt gagcttcaat gagatccttc aatgttgatt ntacaccatg 60  
 gagattcagc ggaaggcaaa ggagaagagg agaggggaga caccatccac tatggaataa 120  
 gccaaaggaag aatgagcttc accaccaaga attgccttgg ataagaagct ngaagaggat 180  
 gctttaatgg aggaaaagaa agagggaagg ggggagcacg aaattgaagg aataaaagat 240  
 ggagagaagt ggaactttga agtgtatctc ataagagttt cattcatcaa agttacaaca 300  
 agtgttacac atgcttctat ntatagacta ngtagcttcc ttgaaaagct ntctttgaga 360  
 aaacttcctt gagaagctcg agacgtatct catatgtatc tgttcaccta tgtttcttaa 420  
 gtcatagttg gacacaccta gttgctcata atc 453

<210> 9071  
 <211> 396  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9071

agctnggatt tcctntgctc cggatacctc tcctttctca tgtgaaccca aacctaattct 60  
 ccgggttgga aaacaacctt nttgcgcccc ttgtttgctt gtttaacata gctctcattt 120  
 ctctttttta ttatggcctt gactctttca tggagctttt tcacgtagtc cgctttggct 180  
 tgtccttcct tatgcttaaa aactgaaata ttaggcattg acaacaaatc aagaggagtt 240  
 agtggattga aaccatatac aaccttcaaa ggagaacaac tagtggtgct atgcacagtc 300  
 ctattataag aaaattcaat gtgaggtaag caaacttccc aatttttaag attcttttta 360  
 aaagggtcct tatcaaggta cccaatgtcc tattca 396

<210> 9072  
 <211> 329  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 9072

ttcacanagc ttacngtata atctgggact tagccatggt agatttctcc acataggcca 60  
ttgcctccct cgcctagtat tatgatcagc cgatgaggtg cttcaccttt ggggacttcc 120  
agctatcacc tatggtagaa gaatctgaag agattctagg atgccctcta tggggaagga 180  
aaccctacct cttctgaggg ttctatccct cattacctag aatttccaag atagtccaaa 240  
tctcgacgca cgaattagac cataggacgc aagtccaaaa tggggtggct gggataccaa 300  
gaaaatattt ggaggccaaa gcaagaatc 329

<210> 9073  
<211> 366  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9073

agcttagatc aatataccat ctgaattgat attcttatgt aaaaggatgg ttntattttc 60  
tcttaaacct cacaaactaa tctctttatt tgtatttctt ttatattggt atagcagaat 120  
tgttagcttt gccaaagctg cacaaatgat gttgatgtca aatttgcata aatcagtaga 180  
aggggttcag agtactcatt attgtagggg tctttggggg acttaagcat gttatggcca 240  
taccatattg acatcttggg cagtgcata ataaactgata tatatttacc ccttaagatt 300  
nttatggctg gagaattgtg tgttggtgag tatgtgttgt tatctatagg tatagaatgg 360  
ttgtat 366

<210> 9074  
<211> 223  
<212> DNA  
<213> Glycine max

<400> 9074

cttatgatca gttaggatga caaaggcatg acctataacg tattgatgcc atctcttcac 60  
cgcggtgggt atggcgtgca actcgcggtg gtatgttcat gaacggagta gtttatggca 120  
acaatactta ctgaagaaaag caatttgatg acctcggttg atcaacacaa ctcccattcc 180  
cgacctcgac tcgtcgggtc tgacgataaa aggaacactg gaa 223

<210> 9075  
 <211> 466  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9075

agctttttcca ttaccctagt taattttctaa naatatatga tatctactac ttcaatatga 60  
 taatggaaat attcaactat aaacatagtt catttaagaa aaagatgaat ccgctaaaaa 120  
 gattatatac ttgactaaat aagaaattgc aaatttaatt tcatatgggc atcccccatc 180  
 aatgcaatat gataatttat cttttacctt tactatcaca agtttgactg atgggtcatt 240  
 ttcatacact ctagaacttc tatatttgat aaatctaaaa aatagtagag aagccactgc 300  
 cattcttttta caacaaaaga actatagttt tttattgtta attattctaa catcatccct 360  
 ttgggttaatg cgacatatct ttaattagtg tctcatcctt gcagctagct aggagatgaa 420  
 aagggatata tatctcttaa aaactacacc acttgagatc tcacct 466

<210> 9076  
 <211> 473  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9076

tcaagctcgc ttctacaatg atgatggagt ntaaagaaga cattatgaag atctttgaga 60  
 tgaccgacct cggtttgatg agttacttcc atggcataga agtaagtcac agaaatgaag 120  
 ggatattcat ctcacaaaag aaatacacia aaggcttact taagagattc aagatgtatg 180  
 gttgcaaacc tgctgctact ccactcaaaa caaatgagaa actacagaag aatgatggag 240  
 caccaaaagt ntatgcatcc caataccaaa gtctaattgg aagcctccta tatctgaccg 300  
 ctacacggcc tgatataatg tatgctacaa gtcttctatc aagattcatg cagagtccaa 360  
 gtcacatata ctttgagca ggaaaaagaa ttttaggtat ctacaacgaa caaaagagtt 420  
 ccgtatatgg gatactaccg ataccaactc acaattactt ggctacactg aca 473

<210> 9077  
 <211> 544  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9077

aggacgcccc cgcgcatgcg cccttgtttg anccccctgca tnacggacct atgagtctca 60  
gcttgatgatg tgaatcgcgct ctantgaaga tgactatgca tgccttatca tactgattac 120  
aagatcgacc caacaagtgc gcaatctcga atgcttacat gattcgggca tgagactcac 180  
actcgatgag cgtatgtttc gacattcatt gcaagagatc gaggcgctgc gggttgccac 240  
ttcgcttcgg aagtcttggc anggcttatt gccaaaccatt catatctcag ctccgctata 300  
caagcagagt attctagagc tttctgattt accagagtag ctactcttgt ggaactgatg 360  
cctcgtgaca cgatttttgt tagccaaatt atcaacgtga attgcactcg ctcgagatga 420  
gtgtatatgg cgtgataagg gcagcatatc gcaaccaagg acgcttgtgg ctgatcgttg 480  
aattcacact cgagcgtgaa gagtcacgta ctttgtggaa tgcatttgtgt atcgatacat 540  
gccg 544

<210> 9078

<211> 446

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9078

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tagacaccaa accctatatt tgaaaaccg aaacccttaa cccaaccttn taagccctta 120  
accctaaaat ataaaaaata aaccctaaac cctaattggt tagacaccaa accccaaacc 180  
tcaaaaccct aaaccataaa cccttaaccc taaattctaa tccctaaacc ctaaactcag 240  
aattctaata cctaaacca aaactatgca ttataaaccc taaaccctaa actctaaacc 300  
acaagggtta gacaatacac catacatctt aaaccctaata cccttaaccc taaaatttaa 360  
atactaaacc ctaaaccctt aaccctaacc tttaaaccct taatcctaaa atatcaaaaa 420  
taaaccctga accctaaacc taaaca 446

<210> 9079

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9079

acacttagaa actaagctca ccttttggtcc tcctatagtt gntgtatgag aaacatgctc 60  
tatttcacatc ccactgcngt aggcctncgg atcattcttt cctttaaagg gaggaatggt 120  
gagtttaata ccatcaattc gggtttgtct aggaacacca tcattccctc ttctccttct 180  
ttcttcttca ttatgatctc tattctccat tngatccaac ctctcatgga gcgcacatc 240  
ttcgtgttca ttaaccctct catatgttgc atcaaagctt gcatttggat ttgcgaaagc 300  
ccccctccat cattaggatt tgttctgtc atctcanaca aacaaatcaa acctaacaag 360  
acaattatag ttgttgt 377

<210> 9080

<211> 344

<212> DNA

<213> Glycine max

<400> 9080

aactagcgat gaagaaagtg aacttgtttc cttttctctt ggaattttat ccacaggcca 60  
acatgagatg aagaacaaga agaatagaaa tgaaaagatg agagaaaatg aggatttgaa 120  
agatatactt gcacttggat tagatatcag atttgactct tcagctataa aaaatctaag 180  
cactgaaagt agttgtgatg gggaaaggaa tgatgaggaa ctttcataga catggccacc 240  
aagtaaagtt tgccagacaa ttatgagaac tagagataaa agtgaagttt ctcaacatgc 300  
tgaactcaag aaggccaggg tgtgtatcac agcgagatgt gata 344

<210> 9081

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9081

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gcacgaatct tataccaat gggttatgga taggaccaag agctttggcc taccctaccg 120  
cttacctaga tacctatcgt ccaccatccc accatcatcc ttgcctatcc ctttcgacac 180

caaggaagaa gttcatgaac aattaaccaa aagaaaggca agaaaaagaa acttggaaga 240  
ggagatgccca ggagctcgag caagagaatg agactttgaa agggaagata gccaacaga 300  
gccgtgagct ttttatccag aaccagagga tgatcgagaa ggacgacttg cttcgtcaga 360  
aagacgcctt gctccaccga gat 383

<210> 9082  
<211> 421  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 9082

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ccatgttatc aaaaacaact ctagcatctc ttaacatccc tgactttgaa agcatactaa 120  
ttagagagtt gcacacaagt ctttctgtct caaaaccgag ctttacaacc aaggcatgga 180  
tttgcatccc tatagccacc gcaccctgat tggccaaagc tgcaattaca gtacaaacag 240  
tataatagtc aggtctgtat ccctcaactt gcatcagaca gaacaattcc cacacctgat 300  
cattaaatct attccatgaa taaccctgta gcaaggaatt ccacgacacc acgtctctgt 360  
caccatctc atcaaaaact ctctcccat ctctaacatt ccccgttntc gtgtacatat 420  
c 421

<210> 9083  
<211> 471  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 9083

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tntttccttc tgaagaaact tttctaactt ggaaatattt cttctcacta ctaaaaaaaa 120  
tgctttcaac atcgctactt taacatcggt tntatgaaaa ccgatgttaa caaaagaaca 180  
atggcatttt cgtaaataaa ttgattttgt taacatcgat tcttgataaa atcaatgtta 240  
atcattnttt ggtcaaaaac cctcttttca tcttcagcca catccactct cacttactca 300  
ctcagtcact cactcattcg ttcttggcca aaagccatct ttcattttnt gccacgtcca 360

ctccaccatt ctctcaccc tcaaccctta cccttaagtt cagtactggc ttcaaccatt 420  
 tcctccttgt cacctctctt gacgcccatt acgacaattc ttaccgctcc a 471

<210> 9084  
 <211> 307  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9084

atactaagct tccttcaacc tcctccttgc taatgttcct aaaggagaca agattataga 60  
 ctcacaaatn gcacaaacct caactcttct tgaacanctc ctgtctctaa cctttccatc 120  
 actcccctag ctactccctc agcactagca agactcttcc caacaatgac tgtgtttctc 180  
 ctcttgctca caagttcact caaaacacta gttacatcat ctacatgac accaacaatgg 240  
 tctatagact ngaatgatgc cccaaattga ccaaagatc tagatggnga catgctgctg 300  
 ctaccac 307

<210> 9085  
 <211> 418  
 <212> DNA  
 <213> Glycine max

<400> 9085

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 gcgaaggaca tttgggacta cctcaaatca gagtattaag gtagtgtgca aactaaaggt 120  
 atgaaggcac ttaacttggc tacagaattt gagatgcaaa gcatgaagga gacaaaaact 180  
 atcaaaagtt atgctgacaa acagttgagc attgcaaaca aggtacgtct ccttggttaag 240  
 ggatttccta acgaaaggat agtgcacaaa atagttgtta ctatacctga aaaatatgaa 300  
 tccaaaatat cagcattaga ggagtcaaaa gaattgtcaa atatcaccct cggagaattg 360  
 gtaaatgctt tacaggcaca ggaacatagg agaatgatga gacatcgggt ggcaatac 418

<210> 9086  
 <211> 516  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 9086

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tctcatgagc ttaatatcac aaatggacac aatatttatg agctttatct atcacgagcc 120  
tttcaagctg aatgggacta agctgcgtat gagcactgct taccatcctc atagtgatgg 180  
acaaactaga gtgcctgatt gagtatcgga acaacttacg taggtgtttt ggataataag 240  
ccatcctaata gggataagtt tttgtatcgt gtctaattga gctacaaccc cactacttag 300  
ttgaccacta attgaacctc catgaaattg ttgatggaag cctcctgcct atttgccta 360  
tcataagctg gtactttgcc cggaagcgat gaatctatct tgcttttgcc cgaaacattc 420  
cctctctcga ctacctggac agccgacaca ttcaaataag tggtttcctt tcgaatgtca 480  
aacgtcttgc atgggacaag tgaatgggtcc cacaac 516

<210> 9087

<211> 483

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9087

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cacaaataaa aatttcaccc tcactcttaa gaatgatccc acagtgtcaa cttacatagt 120  
ataaaaaaat ctgtaagttt gttctagata gtgtttgaaa tttagtaaga tcaaattaca 180  
tagttaaact caaaaaaatg cttttggtct cttagcccc tccccncgga tatttgggtc 240  
tagtttttta ttttcaaact gatgaattaa aaaccaaatt ttgaaatgac taatttatat 300  
tttaacatta aatataaaaa aatatttaca aatcattatt caataatatt tcattaatta 360  
aactnaattt gaagatatct ntaaaactaaa aaagacaaat acatgtgggt ggtatattta 420  
atttaattt ttttaattat taacacaaca acctttcctt aaagagaaag tgattacaaa 480  
ttt 483

<210> 9088

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9088

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cgccaagact taaaagtgtt acaatgttaa atggattgat catgttggaa ccctaaacat 120  
tattaactnt gaacttctaa gatggttgta aaaaaaatca tcgtacaaat ttggactttc 180  
ctctcatcgc gatagattgt atttctaatt tattttatat ttaaaaattg aaaatagtga 240  
cctaattnta ttttaaaatt attttatgtc ctaaaattaa acattaaata gggcctgaat 300  
tagcgaccga aatacatttt taatntagtt tacatttaac aatcaattat aaattagcga 360  
ccgaattggc catcgaactt acttttaatt cattttatat ctataaaaata gtcaccaaata 420  
cagcgaccga atgta 435

<210> 9089

<211> 457

<212> DNA

<213> Glycine max

<400> 9089

agtctttatc actgccagac ttttatgtg agtctcttta gaggttaaggg atgagtttat 60  
cacaattacg gttagaatga acatgtgcag agattcttac aggatcaaata tggggtttat 120  
tttgggatgt ttattgtatt acaattcttc atgtatgatt ataataacga gattgtttta 180  
tttgatggat taattgatgc cctaatacga attggttgat atagtgagtg ctcatgggtg 240  
gaaattatct gcggggccca tgttgtgaga agcattttgt ataatatgtc tgtgttttgg 300  
acaagattta ctatattagc tcgatataatt gttatatcgt gatcatgaaa ttgtgattaa 360  
aactatgtgt tagtgatata ttgaatatgt gacgaattat gagacattaa gttgtggaca 420  
tgggatatgg tatgaataag tgtgggtaat attgatg 457

<210> 9090

<211> 370

<212> DNA

<213> Glycine max

<400> 9090

tctaagctta atattgcaac aattggcaag aatgaaatat ttttttagct atattgtgga 60  
ctttgtgact atcatcgaca agatggtagt acgaacaatt ttcacttgct ttgcaatttt 120

taaagcagac caaagaagtt ggatgtgatt ctacatattt acagagatat gtacaccact 180  
 acaaatttgt gtatatatag acaggggaat cgattgctag cagtttacia tcaaacgcat 240  
 acgtggaagg acaaagtgtt cgttgtgttt gcataaattt acaaacagt taaaaatgtg 300  
 actataagaa gcataatatg gtatgctcct ccattcatgc atatattctc gtcataaat 360  
 tcacttatta 370

<210> 9091  
 <211> 432  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 9091

ntatgtgctt ganatataag cagtccacat cacagtgctt ttaaggtag aaaacttcga 60  
 cataaaagaa ttccctacca cataaaagac cctcttcac tatagcacia tggatcagca 120  
 tttctaaaat taccttgga gaacccttgc aaacatctat gaggttgca aatgtaatct 180  
 caaatggttt cactctcaca ttgcatctt ataaagaaga gtaatagaat cttcttggt 240  
 gtttatagca tcatctcgca tctgagcatt ctctccgact ccccttttgc ttcggtctgc 300  
 tatagataat atattgctat cttccatgct cctctctctt ctttatgtgc aatcccttaa 360  
 tcttctccct ctgctcttct ctcaacttct ctctctcact ctttctcct cctctgtccg 420  
 actcttccct cg 432

<210> 9092  
 <211> 377  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 9092

tatcttggtg tttcttacc gttttctgtg ggtaaacatt ataattagcc aattctaagg 60  
 cttcgtaaac aatggtgttc gactagggtt tcttttact tgatgattnt aatnttatca 120  
 gtgcagtga gatatgggg aatgtctcta acagaattac cccccaactc acagtgatat 180  
 atttatggtt atcaaccaag tgctgtaaat gactgttgcc attgggaagg gatgtctatg 240  
 ctgcttctaa cttttcagat tagcctttgg tgttctatca atgtaatgtc atattactca 300

tgtctgaatg ctatgtactg tgttcatcca acggggcatt tcgtagactt gagccgtcct 360  
atcttaatta cttaact 377

<210> 9093  
<211> 326  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 9093

agcttncatc aagtggtaat catatcacia gagtttatag tggtgctcct taaacctnnc 60  
attaatTTTT ttctttacct tctcttccat tgnntgttct tcatttttct ccatgtatct 120  
cctcacatgt cttgggtctaa atgttggttaa catgattctt tagagtttcc accgattaaa 180  
cttgctatag aaactagatt tgattttctat ggttcaaatt tcttgttctt ggtcttgaac 240  
catgaattgt gttgaagtta agccctatga gttttgcttg ttatttttgg ggctgaacct 300  
acaccattaa attcttacia aatatt 326

<210> 9094  
<211> 389  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 9094

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ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc 120  
ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcattcttct ctggagaata 180  
gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240  
tgctgccctt cattaggact tcaactttct catttgctac caagcattct gactttgtga 300  
agtttacatt gaatccttca tcacacagct gactgatgct gatcaagttt gcagtcagtc 360  
ccttcaccag cagtactttt gtccagact 389

<210> 9095  
<211> 363  
<212> DNA  
<213> Glycine max

<400> 9095

actttctgtg attgggttaa gatacaatct ttgctattag aatgcttcag aaacattaag 60  
aaagctagct gatgggccta aaagaaatgt tataacctgg caaggatagc acatatatag 120  
gtatttattt tacacaaaag cacaagatga caaaagtaca atgctcaact gcggcgtcac 180  
tctaagggtt gaatctacca ctttgcaagt gtcaatgacg ccaatccttg cgtagcattc 240  
atccctaact gtgtgttcat tgatgaaatt cgggagcctt actatgtgaa acttacggta 300  
tgtgttttca aatgtaaatt gggtgacagc aacactcggg gtgcgcactg atgatatacg 360  
att 363

<210> 9096

<211> 343

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9096

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atagaaatat attgacatgc ttgattcaag ttacattta aacgaaagat atatnttggt 120  
gcaactaaat aacttggtta ttgaatctta gattcggaag tgtgtgatta tattatatag 180  
agcccaggca agaaacataa cataagtgt catccatgac tccttaaaga cgttcttgta 240  
ggctttctag ctctccttgg aattgtggtt ggagatTTTT tttcttggtg gatggctgga 300  
agataggaca tgttatgtaa aatagaaaga cattgatatt aaa 343

<210> 9097

<211> 349

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9097

agctngattc tttcaattaa gtatattaaa tgtcttagtt ntgagaatgt tacccttgca 60  
tttcacaaat gtctctgcca taattaaaat aattttggtt agcctacagt atattaactg 120  
gtgatagtat tgtaattttt atcacccaat agcatagcca ttgtcattct aaacactatc 180  
ttttttttcc acttacagaa gaagaaaact acttggtcaa ttaaaagctt atagtaaata 240

aatatTTaag tgaaagtaaa atatattgca ataatttaaa aacaatacca aaattgaatc 300  
tgtagtccaa tgattacaac aaagaaacaa aatgaggggg aaaaaagct 349

<210>	9098
<211>	438
<212>	DNA
<213>	Glycine max

tcacctcaa	atccctcttg	ttggactagg	cccaatttat	acgatcctct	taggtttaga	60
ctaacttaaa	ctgagtttca	tccgtagatc	cctcttgtaa	gactagactc	agctcaagca	120
gcttacaaaa	gtttagccaa	aattgggtccg	cagattcctc	ttgcaagact	aggcctagac	180
taaacagcat	tattgtaaca	acataattaa	aacccaaact	ttatctgcag	atccctctcg	240
taagactaag	ttttgatcct	gcttcaatca	agttctaagg	caacagtaca	tttccaaatg	300
ctaaagtcac	ctaactatgc	acacaaatgg	atgatcaaac	caaaaagcat	acaacatta	360
agcattgaac	gaagcattga	acacagaaaa	cataatcaat	tagatatcaa	gtatttacat	420
cagttgttca	ttagaaat					438

agcttagttt	ttatacacga	tagttggact	ggtattattt	tctgaagtgt	tagaaactct	60
atcaaattgt	ttgatgatca	tacacttggt	attagagagt	ttattccttg	cttataaaag	120
atatatgttc	gtgttcgagc	ttaactatat	atcatccagc	tctttgagag	ctctaaatct	180
tatattcatt	tcaaattggt	ggttggattc	caacttacat	tcacgtatat	tcgctaattct	240
ccttcatatg	aacttgtacc	aaattaaaaa	gctataaagt	aagtagaacc	ctctttcaca	300
atatnttgaa	attngtatta	agtgtttctc	ttatagaagc	atcgaattga	taccctacgt	360
ttggaaagaa	tataataaat	aacgagtaaa	ccaacctcca	tgaagcatca	aaagaaaact	420
caaaacccat	attgaatgaa	g				441

<210> 9100  
 <211> 144  
 <212> DNA  
 <213> Glycine max

<400> 9100

gtcatggcgg gtatcttcga cgtatgttac aagctctatg gctgccgata tagtcctcac 60  
 ctaatctcta tgtgcaggtg acagccgtga gtatgaaagt accgagctta gaggatagcg 120  
 aaccaccatt gaagcccctg atgt 144

<210> 9101  
 <211> 406  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9101

tgttaggaata tggngtacc atcacatgtg gtactatgtg gctgtcgggc gatggtgcan 60  
 aacaagtttt ccacatccac aaatcgcgca taaaccacc atccnctatg gcccacctcc 120  
 aactgagctc acgtactccc acgtagccca tctctcgtt tctctcaaca ccgggtcccc 180  
 atcaatcctc ccaagctttc cccaacatcc aggtaaaaca acattcaaac agcacanact 240  
 atcacagcca agaaaacggn gcaaaggcag aaaactctgc ccaaaacaac caaccaaaat 300  
 cacagctttc tcaacttaaag accccagtaa caattccttc gttccagttt cttaaccggt 360  
 ggatcgactc gaaaatttac tggaagctct agtacataat ctacat 406

<210> 9102  
 <211> 69  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9102

agcttgtaag aagtatagca atataggaga atggttttgn ttgatgataa agacttagat 60  
 tttaatcat 69

<210> 9103  
 <211> 375  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 9103

actaagctgt gcanataaat cactcctaca tttcatctct agcatgcatt ttctttcttt 60  
accactcct cacgnttggg ttttttaggga aaaacaccat aactaaacgc gccgcaaggt 120  
atccctatcg caccagatcc aaatctagaa cgatgggtga tcaagaggag acgcaggaac 180  
agatgaaagc cgacatgtcg gctctgaaag aacaaatggc ctccatgatg gaggccatgt 240  
taagtatgaa gcagctcata gagaagaacg cgaccaccgc cgccgctgtc agttcggctg 300  
ccgaagcaga cccgactctc ttggcaacta cgcaccatcc tccctcaaac atagtatgac 360  
ggggaaggga cacac 375

<210> 9104  
<211> 413  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9104

agctnttnta aaaacntttt tttagataaa aggcttttgt caaactataa aaaaaagctc 60  
gttaagtttg ataagccggc ttatttaact aataataata ataactctta atccataaca 120  
ttttatgaca ttatgaatga caggatgaag tatcataaag tgcttagaga attcacttgt 180  
atgtggaaaa nttttaaaaa gaaaaagact ctaagttaaa aggataatgt aaccagaata 240  
atactttcaa agaaaagaat gttttataaa gacattntca gacaatttaa atatttttat 300  
ttggctatat tagtataaat catctctaatt ccataatnatt ttttaatatatt atgctctctt 360  
tnttcattnt cttttgatat acttttgtgt ttaataactt gaattcgata tga 413

<210> 9105  
<211> 457  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9105

ctaagcttac atcttctga gtagctgcc tgggttgat tgtagcactt ttataccttc 60  
taaaggaaca agtatagctg gtaaattggt tgtttgtctg tgatgaattc ctatgggtatt 120

ctccttttat agagctagga atcaggacta gctagtattc agcagatacg taatcaatta 180  
gaaaagatat acctatatac atatcatggg tatagtcaat agtggggacg ataacaaaaa 240  
aatgggaaag tgctaccgtg tattaaattc attttgattg ctgcgtatga atgcggagac 300  
attgcacatg agaaggatct aganaaaata tgaaaaaact nttccctatc aagaagaatc 360  
ctcagagnta acaaagtggg aaaaataaat gatgtaagag attgcgtaaa ccgtgtagag 420  
aagattcctc taatatactc gatcctcaat caaatat 457

<210> 9106  
<211> 430  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9106

agcttctata taagcagaac catnttatca ataatgtcta gttgagtttt attcagaata 60  
ttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120  
gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180  
agagattctt tccttccttt catcttcacc cttgttcttt caaaccacaa ttccagaaaa 240  
tccacctctg cccagaatta tctcgtggcc ataacttcaa ttctacgcac tcaaattaag 300  
tgattcttga gcctaaatgg aattccaaaa cgagagcttc cacctctgtt tggaatcact 360  
tcatttgag cggtgtagct tccgntattg ccatctctat atttctggcc agccccaca 420  
taacctacat 430

<210> 9107  
<211> 227  
<212> DNA  
<213> Glycine max

<400> 9107

gctgtacatt caatttcgag cgttccgata tattacggga ctcaattgta catccgagta 60  
attagttatc gtcgcttgaa tttgctcaga gcttcaacat tcaatttcga gattttcgat 120  
atattacggg actcaatcag acatccgagt aaaaagttat tgtcgtttga atttgctcag 180  
cgcttccgta ttcaatttcg agcgtctcga tatattacgg gactcaa 227

<210> 9108  
 <211> 347  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9108

agctnggaat ggtacgatat atctacaagg ctgttttga tacaagagtn tgtgcccga 60  
 aaatatttgg aaagaaatcc tgcacctctg gttegaactc ctcttaagac tctagtaatc 120  
 aattcccttt acgtagcaaa gatagaccct tagatacaaa atgatggagt gctattttta 180  
 gaaaaaaaga agtattctgg tctccttgag catgccctta gaatctcgat ttttctcgcc 240  
 ataagcattc ctgaaagtgc aaaactatnt gcctctcctt ttgtgctaga acttcttgat 300  
 taaataatgc atccgagtat cctatatcca caatctattg gtggata 347

<210> 9109  
 <211> 376  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9109

actaagcttc aggctactca atngctccag gttgctgcat ggaagggcaa atgtctgtat 60  
 tgtggtcagc agaggagcac aaaccacaaa cccttgcgac aggtacagat ttctgattca 120  
 aggccagctg gggtatcaag ttaaccaatg catccagtct gccttcaagc ttcttagttt 180  
 tagatgatgc agatgggtct gtagctacct catgcactcc cctaagtact atggcatcat 240  
 ttctggcgct aaactgctgg gagttggaag catcttctca ttttaatttct ggctcagcan 300  
 ggtcatgcct ctaaaggctc accactggag catctatcat actttgtcca tatactgagg 360  
 cttcataaaa aattga 376

<210> 9110  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9110

tgttgtaaca ttntcaatta aggggggatg atgtagtgga ctaattcata tgctcgata 60

cgtagttta tggtagtta acaattaggt gggtataact aactgggatt gttgttgtaa 120  
 gttccctcca tgtataaaaa ttattcattg ttaatcattt caagatgatc aataatacaa 180  
 gtctcattct caattccatt tactctatca cttctcttaa ttctctctaa acagaaattg 240  
 tgtgtgtgtg tg 252

<210> 9111  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<400> 9111

ccttcattct ttcggtgtgg caagcttggt ttcttttgtg ttaggatatc tacatcgtct 60  
 gcctcagtca ttgtggtgca gtttatatat ctggttgaca acttcactta atgccacatt 120  
 gatttaagat gaaatctaac atgatatcag agcttatagt ccggcttagt tctctctacc 180  
 atgttggttg taaaagcagc agtacctgag attctcattc agttgtttgc tcttagaaga 240  
 gccctacata ctactaatct ca 262

<210> 9112  
 <211> 351  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 9112

agctttatga atgctatngc cgattgttaa caggttgatt agagtatctt cccaaactgt 60  
 aattgttatc ttatatattt ctttcaccgt cttgatggct ttccacattc cgatttcaga 120  
 ttgataacaa ttcaagtgtt gatacaaaat gtgatttcga acttggtagg tgcagctaca 180  
 ataaatctgt ctcgggggtg atgggtgcca attataacat tttttctccg tctttcgta 240  
 tgttatgctg gtcggtgcaa tcacaattgg actgttcttg ttattcccgt gtaacctttg 300  
 agttatgact tatgataaca cagcttttat ctatattccc tcatgcatct c 351

<210> 9113  
 <211> 288  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations

<400> 9113

agctctgaat gcactattca tgtttttgac aagattatct tcagactgat caacacttgc 60  
acagtggcca aagatgcatg ggagatcctg aaaatcactc atgaaggaac ctccaaagtg 120  
aagatgttca gattgcaact cttggctaca aaattcgaaa atctgaagat gaaggaggaa 180  
gagtgtattc atgacttcca catgaacatt cttgaattgc caatgcttgc actgccttgn 240  
gagagaggat aacagatgaa cagctggtga gaaagaatct tatatcct 288

<210> 9114

<211> 341

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9114

tgactnnggc gatttgattt agccttagtt tcactttatt tattattcaa ttcaattaag 60  
aatgagaaat cccaaagaga aaatgtccga ttgattcttg tgcttcattt tactaaaaga 120  
tatatttctt tattattata ttattatattt acctctgttt ttttatttcc aacgtggtta 180  
tggcaccgacc aaacggtggg aattcatntt aacaaaaatt atacgaatac tacaattcaa 240  
atgatcggtg gaaatttatt ttttttagatt acgcgcgaaa tgacttacat aaatgactga 300  
agcacgtcaa aaggtggtac gaaaagaaaa tgatacgaga a 341

<210> 9115

<211> 291

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9115

agctngagta caaatcaatg ttgtttatat aatnttacat atgtactctc atatatgttc 60  
atgatgaaca attattttta gctgtttctaa gatttgtgtc tggagaagct tctttgttgt 120  
tcaataaaat tacgcactac aacatttggt ctttccttga acccggccgt aacatttttc 180  
ttttctctat tagggaagtg gcaccagatt atctttctct aaagttcaga tgaggcttcc 240  
aacanattcc aatgatatcc tcagtcattt cgcagtgtct atgaaccca t 291

<210> 9116

<211> 359  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9116

ttcaccatnt gttacagagt ttaatgccgn taactgttgg tcattgtatt tagtgtcttc 60  
 tttaaactct tctgcattga acttgaaagg gaagggaaaa ttcatttcat tcaagaattg 120  
 tgggttgctg gatgaacctt ctctccactg cattatgaag ggtgtgtcaa aatgagattg 180  
 taaaaatgat agatgaagcc aacaccaa an attgtaataa taaatctgtg aaggtctgtt 240  
 tcccggaag caaagtccca agccagttca aatgtcaatc aacagactcc tcaatcactg 300  
 ttaatctgtc ttcttacctt aatgaatata tgggatcaac tctgtgtgtg gttctttca 359

<210> 9117  
 <211> 384  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9117

agctatgatg atatggtctt catctacgaa aggattatag tgggtctaan aagaggcaaa 60  
 tctgatcatc atgctttgat aaatgccaaa aaaaactagg gcaaataag aacaccacct 120  
 ttagcacaaa cctaaatcaa ccacaaagtc tgtctaccg cacttcaatg acgaacacca 180  
 ccttttagcac aaacaaaaa caccaaccaa gaaatgaatt ttgcagtgaag aaagcctgta 240  
 gaattcacc ccaattccagt gtcctatgct gacttgctcc tataatctact ngataattca 300  
 atggtagcca taaccctagc caagggtcat taacctccat ttctccgaga atacgactcg 360  
 aacgcaacgt gtgcttgtca cgga 384

<210> 9118  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9118

tctacttatg tggcagggcg ggcttccttc actntcttgt ctcttatgcg agctctgacc 60  
 actgttcttc ctctctgcga tgcttctttt catgtccgcc tgagtgggat tatagcctaa 120

accatacttc ccacgatttc cttgggtttt tatcaggcta gttatgccgc cattgtctnt 180  
gcctaaaccc atccccgggtt cataaccgtt ccccaacata actcggggcca tcattaccgc 240  
cgcatcggac agacaagggtt gcccaaagag ggagtccacg gaggaaatgc tgaccacctc 300  
aaaagactgg aaaagcgggtt ctaacgattc ttctgcggct tccacataag gcatggagga 360  
tgggcagctt accaagatat cttntctgcc tgacacgatg a 401

<210> 9119  
<211> 447  
<212> DNA  
<213> Glycine max

<223> . unsure at all n locations  
<400> 9119

agcttgtaat atntatagct tcttttatta agcgtgtatt atctcacagt ggatgaattt 60  
cctgagtga actggtgtct gatgcttatg acccacggag tattaactgt atacattaaa 120  
tgcacagcct tccttggtgca accgaaccac ttgatagac taattggtat agcacttctg 180  
tacaaaatca attccttttg cctgaaatga cgtctacact acagaatgtg tcttctgata 240  
aagaatgaca acttctagat cttgaacttc atttattctt caaggattcg acagatccta 300  
ggagagtgc tttgcataat ggatctcaga caaagtatca aatgaagtct tatatgtcat 360  
ctcttacatg ttgagtgc atgggtata gtcgactatc gtatgatatt ccacatgcaa 420  
actcatgatg catttttgat atccgat 447

<210> 9120  
<211> 136  
<212> DNA  
<213> Glycine max

<400> 9120

ctaagctgga tgcgtaaggc tcactataga agcatgctca tgccacaatt gttattcgtg 60  
gctatacgag acatcttgcc atacactggc cgggttaacta caactcgcct gcgctgaaaa 120  
ttccatgcgt atatgc 136

<210> 9121  
<211> 385  
<212> DNA

<213> Glycine max

<400> 9121

ttcggagcgt cgcgatatat tacgggactc tattggacat tcgagaagaa cgttattgtc 60  
gtttgaattt gatacgagct tccgttttca atatggagca tctcgatata ttacgggact 120  
caatcggaca ttccaataaa aagttatcgt cgcttaaatt tgcttagagc ttctattttc 180  
aattcggagc gtctcgatat attacggcac tgaatcagac atccatgcta aaaagttaat 240  
gtcgtttgaa tttgatacga gcttccaatt tcaatttggg gcgccgcgct atattacggg 300  
actctattgg agatcccaga aaaaagttat gtctcgattga aattgatatg agctcccata 360  
ttcaatttgg agcgtcttga tatat 385

<210> 9122

<211> 374

<212> DNA

<213> Glycine max

<400> 9122

ctgcataccc caaggatcca ttaggaaatt acttgtgaaa gagatccatg aggggtgggct 60  
catggggccac tttgggatag acaagaccct tgtcttcctc aaagaaaagt tttattggcc 120  
ccatatgaag aaagatgtcc ataagcattg cactaggtgt gtggcttgtt tacaagccaa 180  
gtctacggtg atgcctcatg ggctatacac acccttacct atcccatctg caccttgggt 240  
agacattagt atggactttg tccttgggct tcctagaacc caaagaggtg tagactctat 300  
ctttgtggtg gtggataggg ttagcaagat ggcacactct ataccatgcc acaaggtgga 360  
tgatgcttcc caca 374

<210> 9123

<211> 265

<212> DNA

<213> Glycine max

<400> 9123

agcttgtatg ataaaactgt cttgagaagc tagagtttaa ctacacacac gcgtctaaga 60  
gctaagctca cctgcttgag aagatgtcgt aagaagctag agctcagcta cgcacaactc 120  
tttaatagcg aagctcacct gcttgagatg agaaactaga gcttatctac acccccctat 180

aatagctatg cttacccccca ttccacaaat tcatacgaat acaacagtta aatgtcccta 240  
ctactaagac tactgcaaat gccct 265

<210> 9124  
<211> 314  
<212> DNA  
<213> Glycine max

<400> 9124

ctgcggatgt ggtcttctcc agagagaggt atcgatttta tctgtactag gcaaatactaa 60  
tcatectgct tagacgaatg agaaagctgg tgcataatgaa gagggtgaga aagatggaca 120  
aaccatgct gtgactgcca ttctatacag gccaaagtttc ccaccatacc catcaatgtc 180  
attactcagg caataacaca ctttctcctt acccaccacc ccattatcca caaaggccat 240  
ccctaact accacagagt ctgtctacgc gacttccaat gacacacacc accttagca 300  
cataccataa acac 314

<210> 9125  
<211> 432  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9125

tgattgaang atgaagttgt ggtgcgtgat cttgttttgt gtcacccaaa tgcaataaaa 60  
gtatgcaatg gatggtatct tgggtgtttt atagacaaga cctaccaaataaacagggac 120  
agaactccac taattgactt ttgtggagt acaccaacgg cgatgacatt ctctgctggg 180  
ttngcatatc tggaggctga gcgtgttaat aatattgtat gggcttttga aacgatttga 240  
ggcctaattt taagacacga tcgcctctc ttgttattgc actgacagag actagcactg 300  
atgaatgcag tgaaactgtg tttctcgagt ctactaaaat tgtgtgcagg tttcatatcg 360  
ataagattgt gacgcgaagt gcacatttta atcggcgaaa aatgtgtgt actatgaatg 420  
gataccgacg an 432

<210> 9126  
<211> 221  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9126

tttgaggaga gtgtacatta ttcagaagcc gttgganaaa tctctaactg tcataatgct 60  
gggtgtttag agaataagac tatagagaga gagagactaa cagtgccttcg ggaaaagaga 120  
aataataatc tgcggagaga gaaagttggt aaggcctgng gaacacttgc atgccaggcg 180  
ccaaacggaa cgaccactaa caccctntct ttctctcca c 221

<210> 9127  
<211> 549  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9127

tcgccccccc gcgcgtatga tctcatgaca tctgacacta tgataactcaa gctgagtgggt 60  
aggaacaatn tgagatcgct ctcgaaatgaa ctatgagcgc tctaatttta agaataaggaa 120  
aacgtagtcg gcaactgatg cgtgatcatg aatctgacaa ccgatctaataaagatgaat 180  
atgagaggac acattactca cactctaagt tacagacatg attcttgtat gctccacaaa 240  
tggaacgcta tgagaagatt acaagtacaa gagactctga taggaaagtg aagcatgaat 300  
atcctatgga tctaattgagg aatatactcg ggcgcatgac tcacacctaa atcaaaggat 360  
atgatgggtg ttctctcgca tatacgaacg cattctgata gtgaatagac ataggaaacg 420  
ttgacaggaa tacgaaatat gacagctcat aaaaataatg aagaatatat atgggcacat 480  
gagtcacacc tcagcatgta ttaaagctta ctaagtatan gaatgaaagt tattgacacg 540  
tggtgaten 549

<210> 9128  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9128

agctataatg ctcatacatt ctntaatatg tttaatattc ggaaattaag aagttgtaag 60  
tgtcatgtta agccttgtec ttgtgttatt tagacttggt attatgaggc aattcacgta 120

gtaaactcca agttcattag tttttccatc aattactgag tgttttatgt gtctgtatatt 180  
 ttcattccgt tcacgtcttt ctccatctta gtttcgggtt tgcattntat tgactcgttt 240  
 caaacatttt cttggctgcc ttgttcttct tctgctagtc ttttgttggt tttggatattt 300  
 atgtcatctg cttcattggg ttgtctacca ctgacatctn ctgcataaca taacacccgt 360  
 gtttcttggt gagttccaat ctctttcatt tgtgcatttt ccagtgtggg ttaaatagtc 420  
 tcctgccact gtggctgac tccactgcc aatcatca 458

<210> 9129  
 <211> 381  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 9129

tactaagcta taaggcaatg atgaaataac ttaatcatat tattttgcat tacctgtttc 60  
 ataatattct aatgatatac aattgtgatt tgttgttgta ggtacttgat gaagattccc 120  
 ccaagacatt ggagtaagtc tcggtttaca ctagatgcaa agacaaacat gttactcaat 180  
 aacatgtctg aggcatttaa gagtgtaatt gtggaggccg gacacaaacc aattgtaacc 240  
 gtgtgtgatg atataaagat atgtntaatg gaacgggtggg ctntaaatat aatgaagggtg 300  
 cttgtatggg aaggaagtgc gttacctaag ataaagaagt nggtggatct taagtctatt 360  
 aacacacaaa actggttatg c 381

<210> 9130  
 <211> 438  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 9130

agcttcatga tggatgaatc aagtgattca agaagtttg atattgacaa agatggtgac 60  
 aaaaaacca aagaatgatt tcaagattaa atcaagatcc aattccagaa tcaagagaag 120  
 tttgatttcc agattcaaga aaagatgaat tcaagttcca agagaagaaa tcaagaagac 180  
 ttcacaatgg gaagtattga aaagattttt taaaaaacia acatagcaca attttgtttt 240  
 tcaaaagagt tttcacaaaa ttttctatgt taccagagtt tttactctct agtaatcgat 300

taccagtttc ctggaatcga ttactagtgg gcaaagtga tttcaaagct tttaactgaa 360  
tttacaacgt tccaattgat ttcaaaatgg tgtaatcgna tacaagatat tggtaatcaa 420  
ttactagtgc atctgaac 438

<211> 420  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 9133  
  
 atgttactat ttattaaata tgaatcatct ttatTTTgtt tatattccca aaatcttatg 60  
 aaatgaaggg gatggagaaa aagaaaaaag aaatccatta gcaagctaaa ataacctnct 120  
 taaaaaaaa agctaaaata agccctacca atatttcatt gtcgtgcaat agtgaaaagg 180  
 acaaaagggg aaaatatctt cctctactaa tagtataaag cgtctccttt tctcgtgtac 240  
 gtgttttgaa aactgagttt agacgtcaaa ttgaagcana atcttaatgt tatcttatct 300  
 ttaatcttaa taaatgtaaa agtaacatag tcgctgatgt gtaaggataa ctctctatac 360  
 tcttacataa aatataataa ctcttaccgc gaagtagagt gtttctaata ttgcagaaat 420

<210> 9134  
 <211> 422  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 9134  
  
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 tttgaccctt ttgcttgaca ccatgtggcc caagtactcc acctgngttt gggcgaagga 120  
 acatttcgag agcttaatga agaactggcc ctgcaacaaa accttgaaag ccaattccaa 180  
 atgaagtaaa tggtcattga aggagctact ataaattagt atgtcgtgat gtggacatca 240  
 aagcccaagc ccatgacaac caccagcccc aggcccatga ctagatggaa gccaagacc 300  
 caatacaagg cataggaaga cccatgacaa gagcaagagc taaaaaggca caagatgctt 360  
 tggaacatat ggtgattatt ctgagggtag ttcaaagtca gggagaggcc caacacttgg 420  
 ag 422

<210> 9135  
 <211> 379  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 9135

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 cctgtngcaa gagtttgagg tctatgttct atagcagatc accatataga tctttgtcct 120  
 tctttgcaac aatctggagt caatgagcaa cctgaagctt atgctgcaaa catttataat 180  
 agacccctg agcagcaaaa ccaacaacaa caaatacaat ctatggtgga ggaatcatcc 240  
 aaatatgaga tgggcaagtc ctctacaaca acaatagcct gtcccttatt tccaaaatgt 300  
 tgctggtcca agcaagccat atgttctctc tgcaatgcat cagtagtagt aacaacaaca 360  
 acaaagacaa caagcaact 379

<210> 9136  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9136

agtcacctgc ggctgcaact gctttacaac atacattatt tttattgact ggtcatttaa 60  
 aaaatcaaaa cctttaaaaa atcattccaa aagagggtgag tttttttaca aattaaaagt 120  
 gtcattacaa ttgtaatttt ccctaaaaag tgttcatgga tctaatttaa ctataatatt 180  
 ttacaataag tattttttta cttgaacctt tcatgaagca tgggagtaca aaataattat 240  
 ttgcgagttt ctaaaacaag tattcttttt tcttttagac tcaatttaatt ttacaacgtt 300  
 ttatcattaa tttaaaatta ataaagcana tacaaaaata attatttatt atattgtttc 360  
 ttatttgaaa ttttttcttt caccttaatt gcatgatcta aattntagtt agcaatcaaa 420  
 tcanaaattt taatgtacac taa 443

<210> 9137  
 <211> 429  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9137

tctcaaggaa gttatctnta gaaagcttct caaggaagct acctagtcta taaatagaag 60  
 catgtgtaac actngttgta actctgatga atgagagtct tgtgagacac aacttaaagt 120  
 tcaacttctc tccctttttc ttccttcaat ttcatgtctc cccctctccc tttctctccc 180



cctaaccact cttttatgtg ggccaccaa .acattatctt tagactctaa tacatc 416

<210> 9140  
<211> 239  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9140

cgaataggat gctntaatgg aggaaaagac aaagagtttg tgggtgtgttc taaatcgaag 60  
gaataaaaga cggagaacag tggaactttg aagcgtgtct cataagactg ttattcatca 120  
cagttacaat aagcgttaca catgcttcta tctatagact aggtaacttt cttgggaagc 180  
tttcttgaga agcttctttg agaaaacttc ttgaaaagc tacacaatgg cttcacaca 239

<210> 9141  
<211> 377  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9141

agctntcact cggaggcccg atttatgcgc ataatatatc gagacgctcg aanatgaaca 60  
acggaagcta tcgagaaatt caaatggtca atacttcgaa ctcgagggtc ctattaaggt 120  
gcataatata tctagacgct caaaatttta caatggaagc tctntggcta tacaaatggt 180  
cataactttt cactcgaagg tccgattaag gcgcataata tatcgagacg ctcaaaattg 240  
aacaatggaa gctcttgagc aattcaaag gtcataactt gtcactcgga ggtccgattc 300  
aggtgcataa tatatcgaga cgctcgaaat tgaacaatgg aagctcttga gcaattcaaa 360  
tggtcataac ttgtcac 377

<210> 9142  
<211> 416  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9142

ctgatgtaac cattggagag gttaatgaaa caacgatatg atgctctcca tgagaggttg 60

gatcaaattgg agaatagaga ccatatgaat tgctcaagag cttccattgt tcaatttcga 120  
 gcgtctagat atataatgcg cctcaatcgg acctccgagt taaaagttat gaccatttga 180  
 aatgctcaag agcttccatt gttcaatttc gagcgtcacg atatattatg cacctgaatc 240  
 ggacctgcga gtgacaactt atgaccattt gaatngctca agagctctca ttgttcaatc 300  
 ttgagcgctc cgatatatta tgcgcctgaa tcggacctgc cagtgcacaac ttatgaccac 360  
 ttgaattgct caagagctct cattgctcaa tttctagcgt ctcgatatat tatgcg 416

<210> 9143  
 <211> 442  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 9143

nggaaactaa ttntatgcta caacaattgt tacaagatcc actatccata atgagagaac 60  
 aagttttatc taaaattntg catcatgtat gaaagatgtt ctctccttgg gattaaaata 120  
 tatcacaaga ttgacctcca aggagccttc taaccattag gaattcacct tcttcatggg 180  
 ggtagacttc ctactagac tcttcacccc ttacttcacg ttcaattcca ctagaggaag 240  
 gggaagaagt agtctgcttt cgagtactat aaatgtctcg acccctcata atcattgctt 300  
 gctctatggg gggcattgag aggcaatgtg acctctccaa gaccttctta gcatttaatg 360  
 ttctcttctt tctgggaaca tttaacgggt gctttctcca tgacctacct aatcttctg 420  
 ggcggtcccc cctctctata tc 442

<210> 9144  
 <211> 419  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 9144

agctntgagg ctgtaaaaac tatataacag caccaagggt ctagtttagc tcctctctct 60  
 ctctctctct tctctctat ttttcgggtt tagcctctct tctcttctct ttttattttc 120  
 ggtttttaca attccagttc agacttttag ttttatcaat aaaatttcgt tctctatttg 180  
 attaattggaa ggctaagtcc gcaacattgg tttctcttga ggatcaagca gagttctctt 240

tgaggttcta ttattcatgt taaattctat tcagtttttc ctcttcacta attactttga 300  
 attttttcta ttaattcgtg catgcttagt gcttgattaa ttgtctctgc acttaattta 360  
 tgttcatgct taatgatcgt ttatgattaa ttggtgtgtg tgatgcttaa tcacataat 419

<210> 9145  
 <211> 420  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9145

nttccggaag gtttccggan atacttcttt cggaagaaga attggtgaag gggcaattgg 60  
 ccacttcact gtttgcgtgg tgccccagca ataatgctgg gtgcacgtag caactccctt 120  
 taacatgcca tgaacttggt ccaaattcga taatgtatta aacataaagt ttaaaatgtt 180  
 attaaagtag gaatgtgtgc attggaccac aaagagcaaa tgctcaacaa ctttgggaatt 240  
 gtgttctaag aggcgcaagt gagaagtcca aagtggagag gtccaataca ttacgtgcat 300  
 gttatcacgc tataaaatgt aatattctaa agtccttcaa aagctataaa ctattcagaa 360  
 gcaactatga aggttcgtat agaaaagctt ttgtgttgcc tactaaaaga tcttttgtac 420

<210> 9146  
 <211> 309  
 <212> DNA  
 <213> Glycine max

<400> 9146

aactataact atttgactga aatttaaaag ttgaactgtg aattaagaac tagggcataa 60  
 acataagatg tactaaagaa agaataataa tggagatgtt caaaatgcaa gaaaataaag 120  
 atcctgtgga acattctatg aatgatcctc tgcagtctcg ttcacgtcca gtgctgggtgc 180  
 agatgggtgga tcttgagaaa taggcaactt tggcactggt gtagatggct ctgcctgaga 240  
 cgatatcatt gaatcatcct caaaaatgaa aggctcaagt ggagagggct cagagatgta 300  
 atataagca 309

<210> 9147  
 <211> 385  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 9147

gtggcagggc gggtttcctt cactttcttg ctctcttcgc gagctctgac cactgttctt 60  
ccttcgcgcg atgcttcttt tcatgtccgc ctgagtgggc ttatatccca aaccatactt 120  
cccacgattc ccatgggttt ttatcagact agttatgccg ccattgtctt tgcctaaacc 180  
catcccggtt tcataaccgt tcnccaacat aacttgggcc atcattactc gccgcttgga 240  
cagacaaggt tgcccaaaga gggagtctac ggaggaaatg ctgaccacct cacaagactg 300  
gacagcggtt tctaacgatt cttctgcggc ttccacataa tgcattggagg atgggcacct 360  
cacaagatat ctttctcgcc tgaca 385

<210> 9148  
<211> 226  
<212> DNA  
<213> Glycine max

<400> 9148  
actatgagac taagctgctc taattacatg atgttgtatt atggaggagg ttgttgccat 60  
attgtttaag agtagtggcc actggtaaac taactttcca atttttgcct tcgcaggaaa 120  
tggtcccgag gaagcttgcc tcaaagaggt tcatgaaaga caacggcagc caaggaacta 180  
gttccgctcc ggagtatgac agtcactcgc ttatgagcgc tgtaca 226

<210> 9149  
<211> 317  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9149

tacttattca tctatggaat catatcaaag cggattttca atatattggt ctggatcaag 60  
ccgaactatg cttgtgagaa cagcgaaatt cattgtatcc aaanaataca ctcaccttca 120  
ttgtgccctc tgaactcaag caggtatttc ttaaacaagt tttgaattcc cataaataac 180  
tcacaagtaa tgaaataaag ttccagatat tcttgatgat tattcatttt cttcgttata 240  
tagtgcaaca tatgccccaa aatacaatat tgncaanata catatactat atatatatat 300  
atatatctac atatcat 317

<210> 9150  
 <211> 410  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9150

agcttgtaga acggctgggc atgatatatg tcatgttttg gccagcgggt cgnggataat 60  
 ggggatgtcc tacattatct ccatgatata catgcaacaa tgatgattag ggaaatttat 120  
 gcaaaactgg tcatgcatgc acccatgtgg aactcaagc atcaagtttt tatggtcattg 180  
 tgacactagg gctcaggatt cttttccct atttaagtca acccagtgtt tccaaaatat 240  
 gctcttttat caatttatgc attcatccga gtcccttttg ggcgttcggg aaaattttca 300  
 cagtattcac cctttagggt tatacacnat tttttttca aaacaactgg ttatgatagt 360  
 gaaatcattt tcaaagaaaa gctggaagtt atttctcttc taaagcatgt 410

<210> 9151  
 <211> 384  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9151

gcgagttgat ttagccttag tttcactnta gttattattc aatttattta agaaacagaa 60  
 atcccaaaga gaaacgtccg attgattntt ttggtttatt ttactaaaag atattttttt 120  
 attattatat tattatttta cctctttntg gtttccaatg tggttacggc atgaccgaac 180  
 ggtcggatct cattttaacg gatattacaa atcaaatgat cgggtggaaat ttaatttatt 240  
 ctttgattac gcgagaaaat gccgtaaatg atacaagaac taacgaattg aaaagtaaat 300  
 gaaacaagaa taaaagtacg tgaacaaaat ggggaccacc aagggtacat agaatgaatt 360  
 gaaaagttcg acttcaggaa ctta 384

<210> 9152  
 <211> 421  
 <212> DNA  
 <213> Glycine max

<400> 9152

agcttaagca cgagtaaatt gctacatgct taagttgtgt ttaaggtgca tccttaaagt 60  
gtatgcttaa gaaagttatg caaaatgctt ttttttttaa aaaaatggta ttccaagtgt 120  
gataaaatga aaattgggtc atgatatgag tatttatata tagtatggag ttaattgtat 180  
gctaatatca tgcacttcac attcatatga ggattttgat gtggtgattg taaaaattca 240  
tggtgttggg tgtcttacta tgcttaacaa actattgatg gattcataag tgtgatgaat 300  
atatgaatgg ttaacttatg atatggtaat ttgatgaaat atcgttataa tgaaaagata 360  
attatattga taagataatt atgtaaatta ttgaatgtct gagttatgtc gggttaattt 420  
c 421

<210> 9153  
<211> 461  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 9153

actaagctta ttgacatggg atttacaggt ttntcgaaca ttgattatag tttattgatt 60  
tattggatga gagttaataa ttaataaatt ttcttaagta tagaccatg tatatatagc 120  
taactccatt gtgtctcttc ctttgttttt aaaaacttat cttcttatac ttttgcaaatt 180  
taatggctct tagaatttct ttcaatgata agattgctgt tggaagcatt gattggtgaa 240  
tcacagtaag agtagctgtt catctttgga agcaaactca atatagtaat ccaaagtaa 300  
tacgtaatac tgaatcgatc attttggatg aaaagatatt ttatataaat tgattttggg 360  
tattattcta caatgtctat tttggaacac aattgatatc aacccttatt atacatatga 420  
caattgagag tctcaaatat atgcttaatc tcaatttatt c 461

<210> 9154  
<211> 374  
<212> DNA  
<213> Glycine max

<400> 9154

ccatgaatca gaaatctaca cctgttgcaa gagtctgtgg tctatgatcc tctgcagatc 60  
accatacaga tctctgtcct tctttgcagc aatctagagt caatgagaaa cctgaagctt 120

atgctgcaaa catttataat agacctctc agtagcaaaa ccaacaacag tagaataatt 180  
 atgacctttc aagcaacaga tacaatccag gttggaggaa tcataccaaat ctgagatgga 240  
 caagtcctcc acaacaacat cagtctgtcc tttctttcca gaatgttgct ggtccacgca 300  
 agccttatgt tctctctca atgcagcaac aacaaagaca acaagcaggt gaggcctcct 360  
 tttcaacctt ctta 374

<210> 9155  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<400> 9155

aacaagaggg atatgaggat gaagcttagt ttaagttagt ctaaacttac gagggttgtc 60  
 taaattgagc ctagtccaac aagagggatc tgaggacgaa gcttgattg attcagtcta 120  
 actagtgatc aaggcttagt aatttaggct gcagcataaa acacaaaagc atgatatatt 180  
 agagaaacat ccttatatgc attaactggc ctgttaggaa gaccaaacac ttctacctac 240  
 tgctgtcaat tctacttact tgcatattta ctgcttctag cctacactta gtttaatcct 300  
 attctaaata ttaattatca atgtttcttt aacaatgctc tatatctaata taaacctgtc 360  
 tatactattc cttgcgttga tacttgattc atcatttaata t 401

<210> 9156  
 <211> 389  
 <212> DNA  
 <213> Glycine max

<400> 9156

agctctttga actttgtcgt acttgtggga caactttcag aggaacaata tctgggttat 60  
 tttatgagtg gtttgaagcc acaaattcat cggaggggtc ggactctcaa tcccctgaat 120  
 cggatgcaaa tgatgcatat cgctaaagac gtagaggaag agttgagaga agatgatgat 180  
 gacgcacgca aatatggtag caaaaaagga gggcaggatc ggttgggtcg taatgattgg 240  
 gccgggtcag tcttttggag caggagcggg tcaaaccctaa aagagacaca tcgttcccg 300  
 tgggccaacc cgactcagaa aacaggatcc agtggatcta acacgctctc tacgatgtcg 360  
 ttagtttcaa ctgagaaaaa ggggtgcaaa 389

<210> 9157  
 <211> 340  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9157

cggacatccc agctngaggt taatctcaaa gctctattat catattcttg ttagaggact 60  
 tccaaagcta tcgtatcaag attcattttg tgtagcttcc caaaaagga agcaagttaa 120  
 aagttctttt aaagccaaaa aaaatctttc cacttctagg ccttttagag ctctacacc 180  
 ttgacctttt tggaccaacc aagaatacac cctctttgg atgcangtat ggtctggtca 240  
 tagtggacga ttacaccaga tggacatggg ttaggttctt aaccacaag gatgagtctt 300  
 ttgatacctt ttataaactt tgtaaatgat tcaaatgaa 340

<210> 9158  
 <211> 501  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 9158

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<223> unsure at all n locations  
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366

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